

FIG. 1

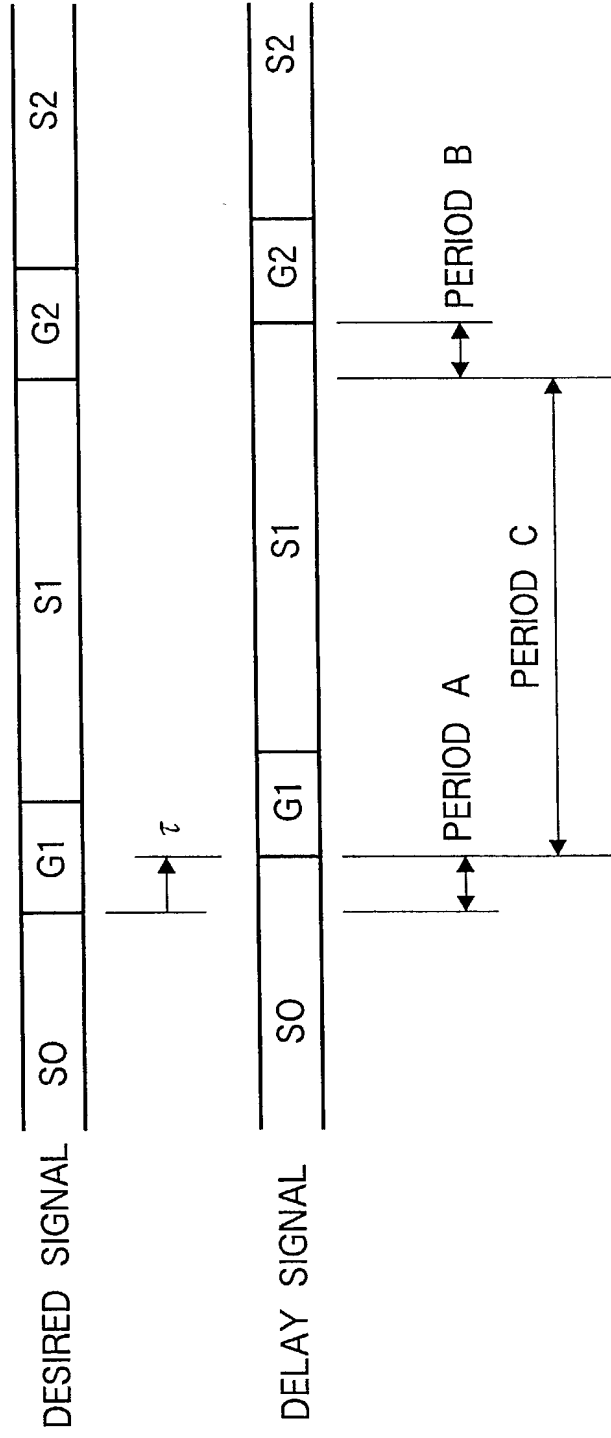


FIG. 3(a)

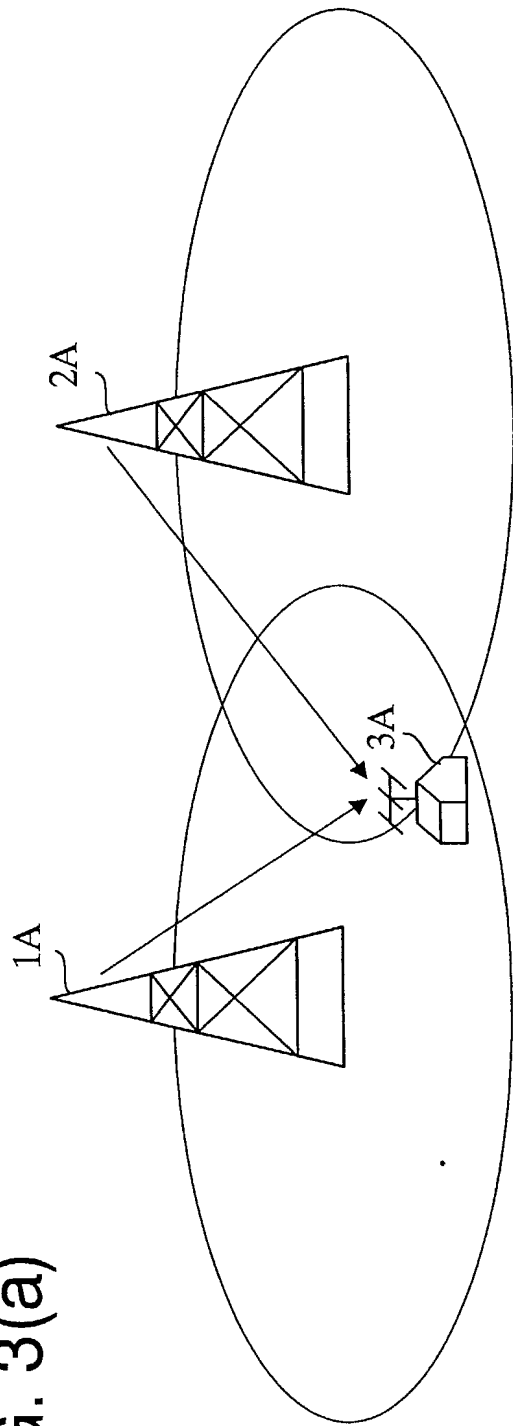
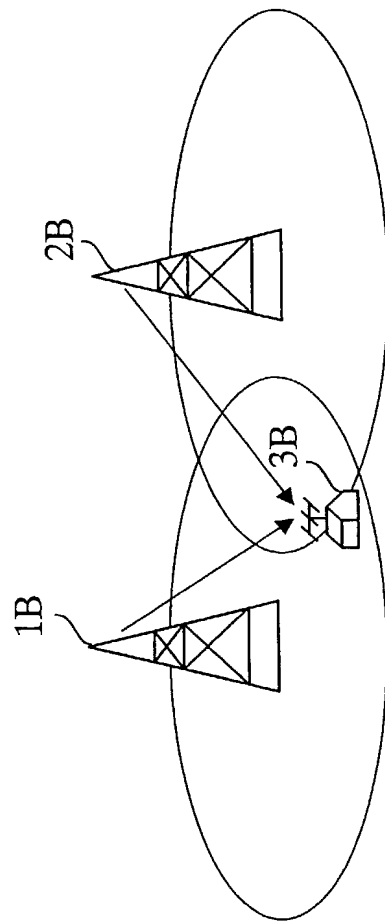


FIG. 3(b)



MODE	1					2					3				
EFFECTIVE SYMBOL PERIOD LENGTH(μ SEC)	252					504					1008				
GUARD PERIOD RATIO	1/32	1/16	1/8	1/4	1/32	1/16	1/8	1/4	1/32	1/16	1/8	1/4	1/32	1/16	1/8
GUARD PERIOD LENGTH (μ SEC)	7.875	15.75	31.5	63	15.75	31.5	63	126	31.5	63	126	252	31.5	63	126

FIG. 4

19900501.043000

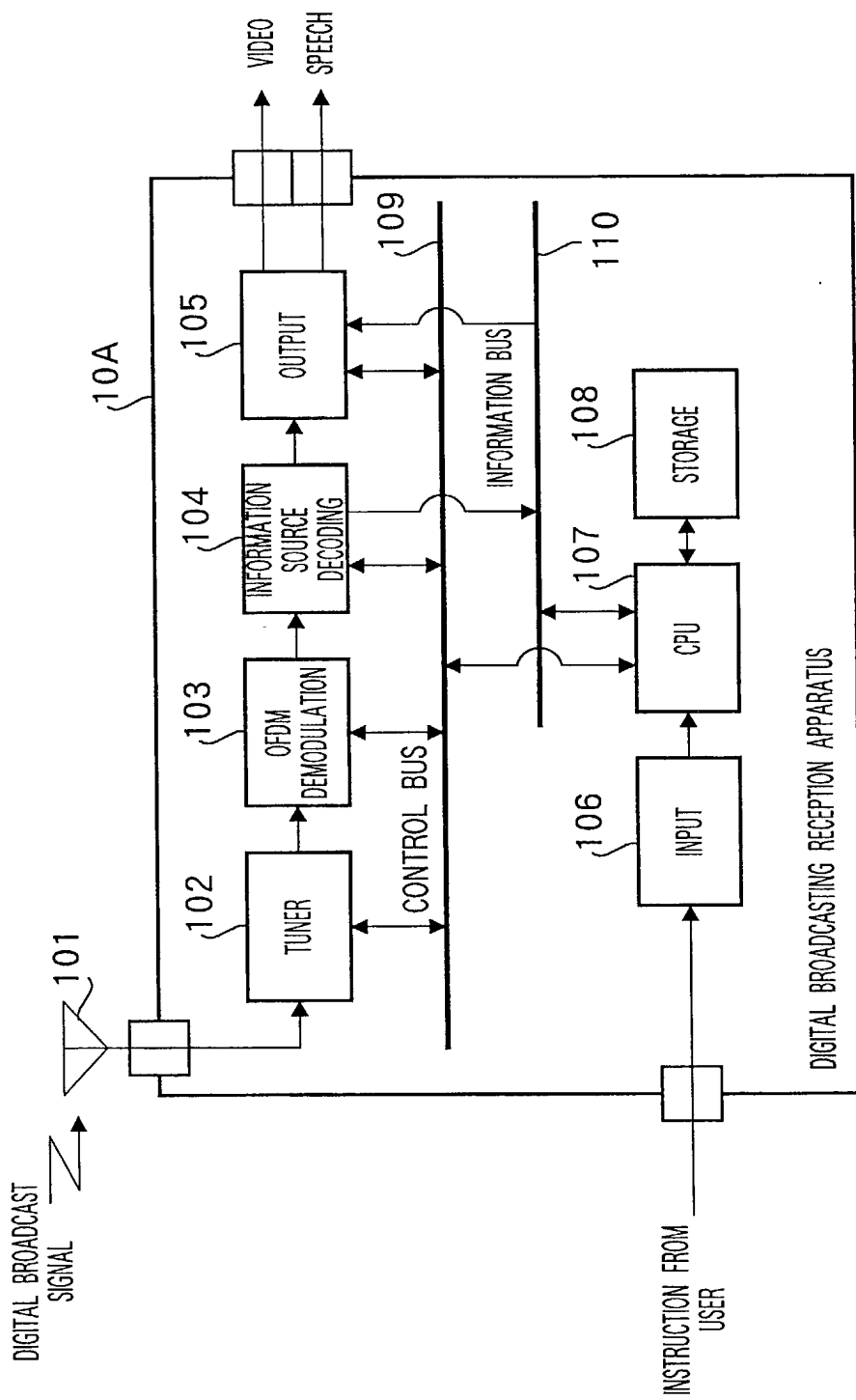


FIG. 5

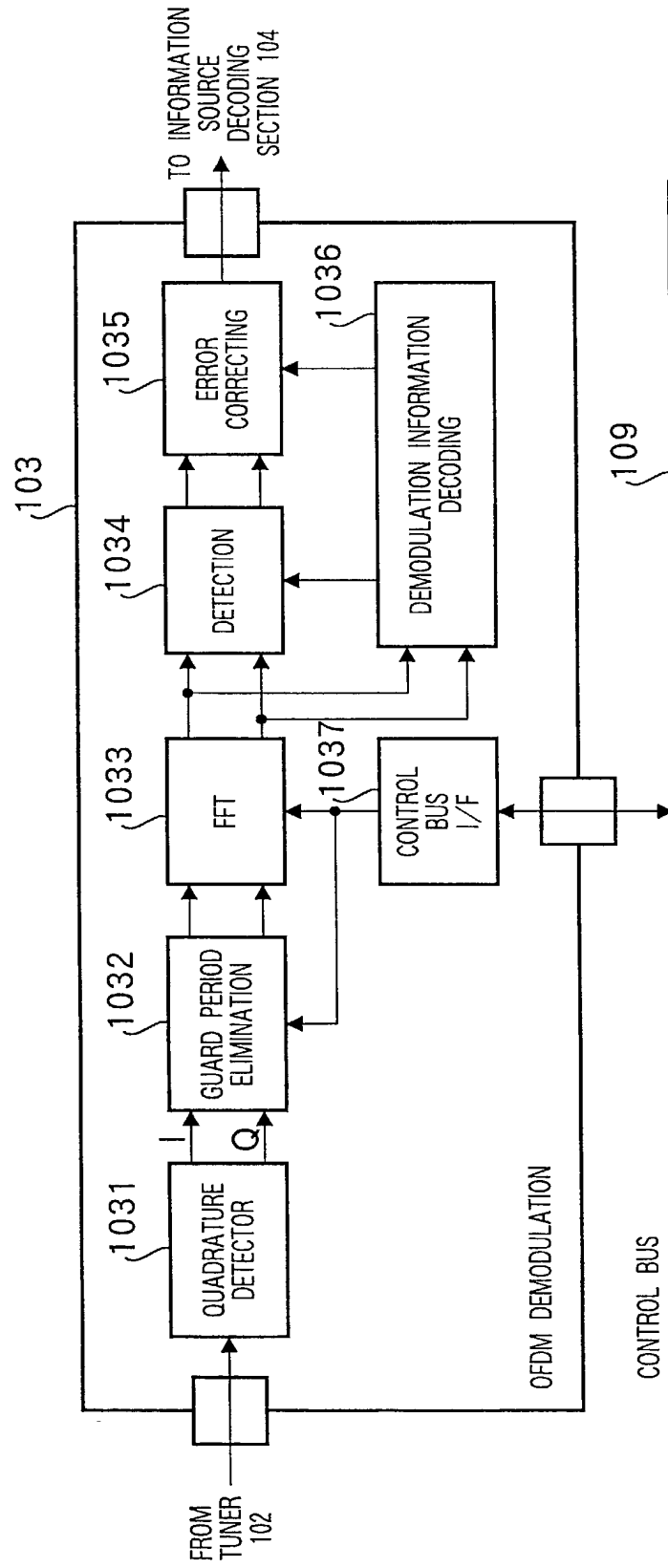


FIG. 6

TMCC INFORMATION

BIT ASSIGNMENT	DESCRIPTION	
B20~B21	SYSTEM DESCRIPTION	
B22~B25	TRANSMISSION PARAMETER SWITCHING INDEX	
B26	EMERGENCY ALARM BROADCASTING START FLAG	
B27	CURRENT INFORMATION	PARTIAL RECEPTION FLAG
B28~B40		LAYER A TRANSMISSION PARAMETER INFORMATION
B41~B53		LAYER B TRANSMISSION PARAMETER INFORMATION
B54~B66		LAYER C TRANSMISSION PARAMETER INFORMATION
B67	NEXT INFORMATION	PARTIAL RECEPTION FLAG
B68~B80		LAYER A TRANSMISSION PARAMETER INFORMATION
B81~B93		LAYER B TRANSMISSION PARAMETER INFORMATION
B94~B106		LAYER C TRANSMISSION PARAMETER INFORMATION
B107~B121	RESERVED	

TRANSMISSION PARAMETER INFORMATION

DESCRIPTION	NUMBER OF BITS
CARRIER MODULATION SYSTEM	3
CONVOLUTIONAL CODING RATE	3
INTERLEAVE LENGTH	3
NUMBER OF SEGMENTS	4

FIG. 7

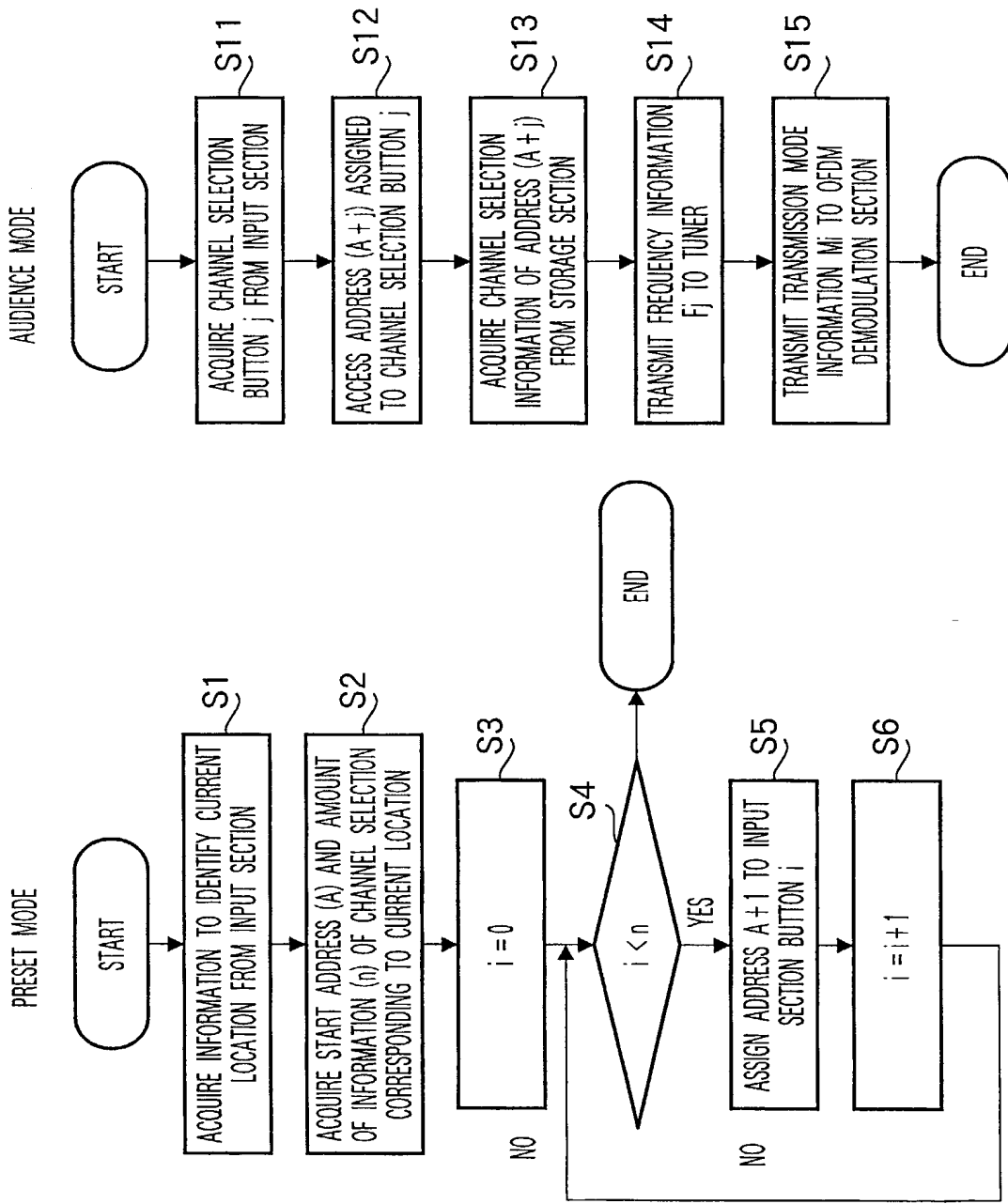


FIG. 8 (a)

FIG. 8 (b)

CONTENT OF STORAGE SECTION

ADDRESS	DATA	
A	FREQUENCY INFORMATION F0	TRANSMISSION MODE INFORMATION M0
A + 1	FREQUENCY INFORMATION F1	TRANSMISSION MODE INFORMATION M1
A + 2	FREQUENCY INFORMATION F2	TRANSMISSION MODE INFORMATION M2
⋮	⋮	⋮
A + (n - 1)	FREQUENCY INFORMATION F(n - 1)	TRANSMISSION MODE INFORMATION M(n - 1)



INPUT SECTION BUTTON

BUTTON
0
1
2
⋮
n - 1

FIG. 9

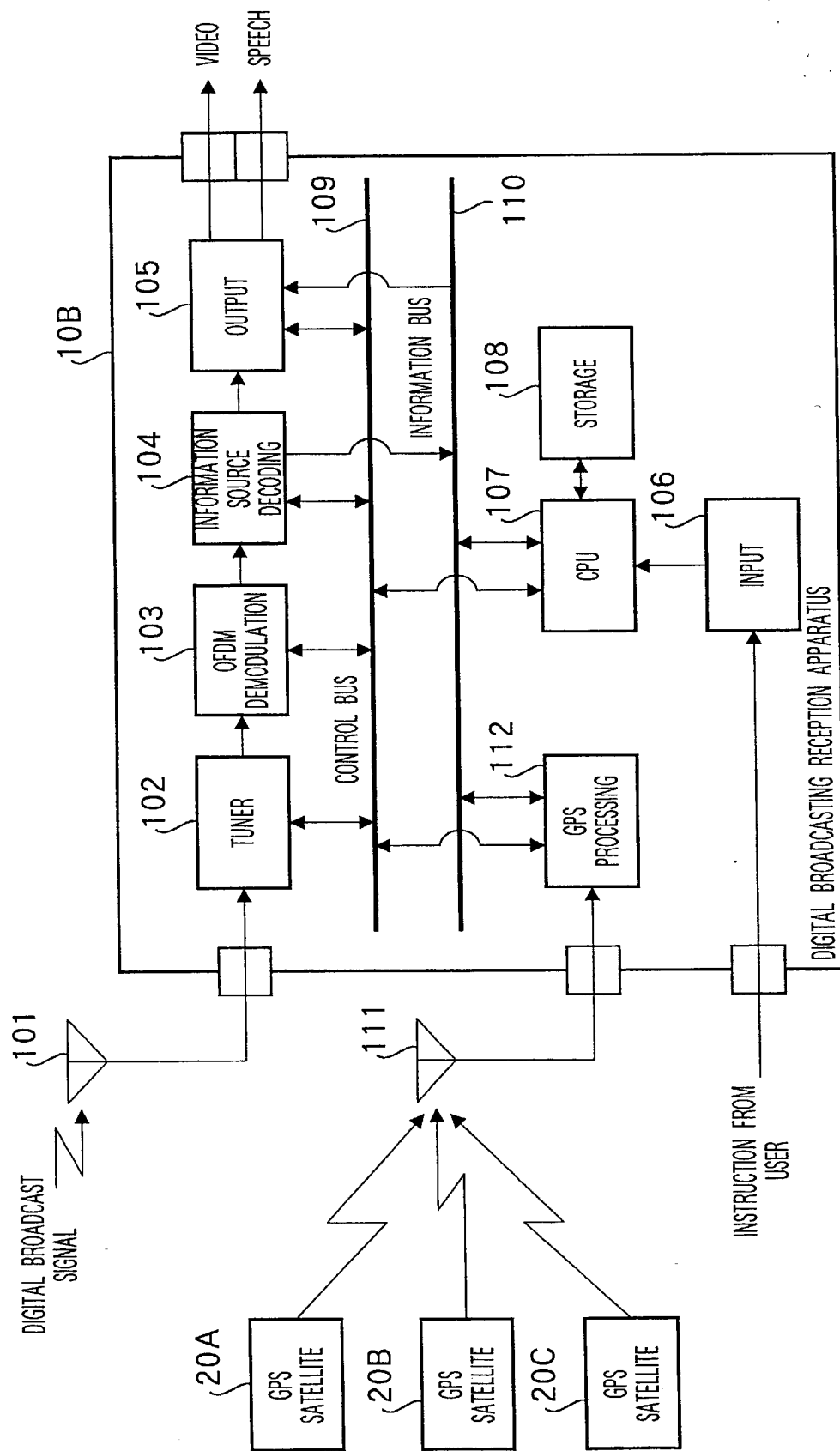


FIG. 10



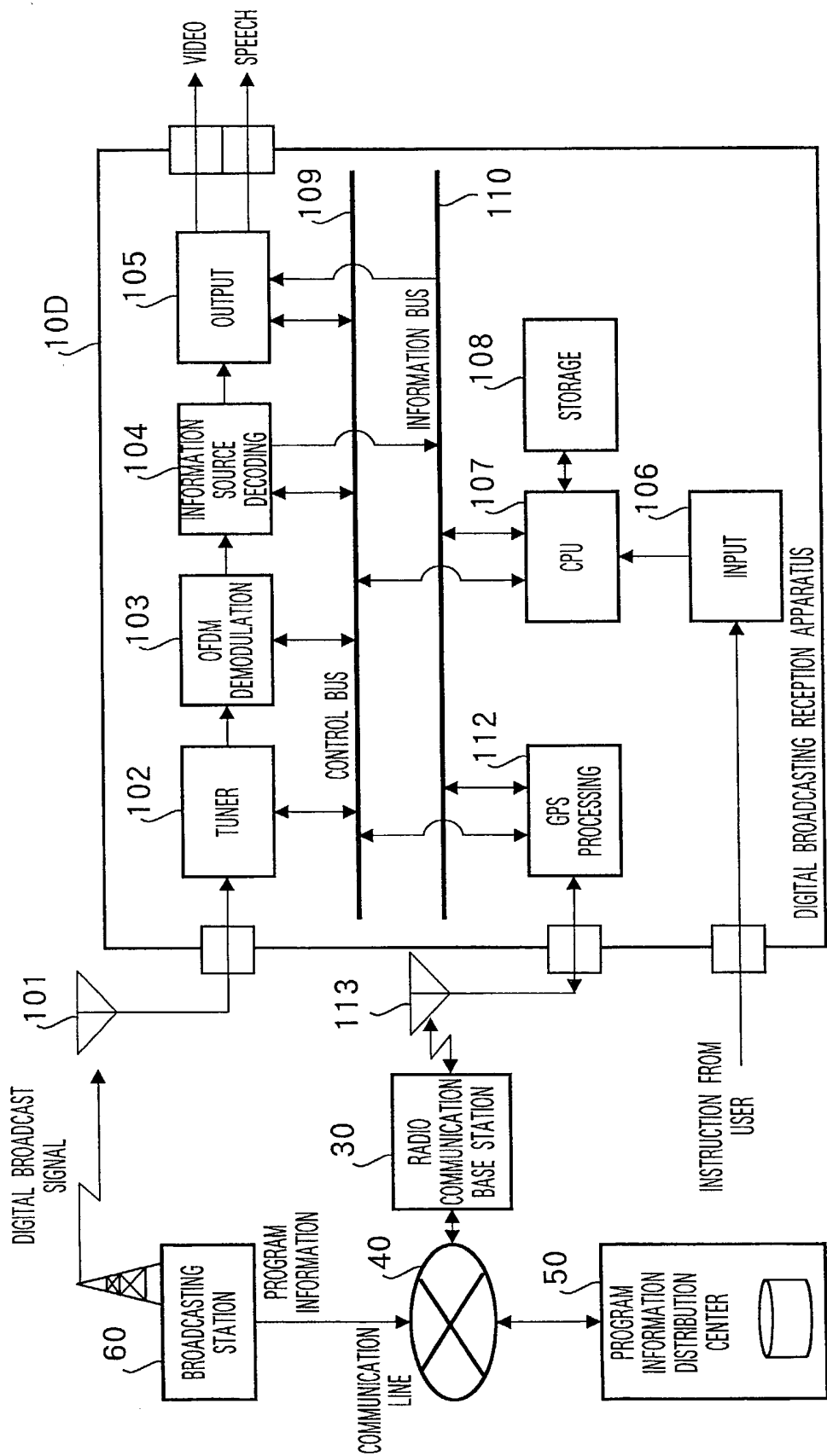


FIG. 12

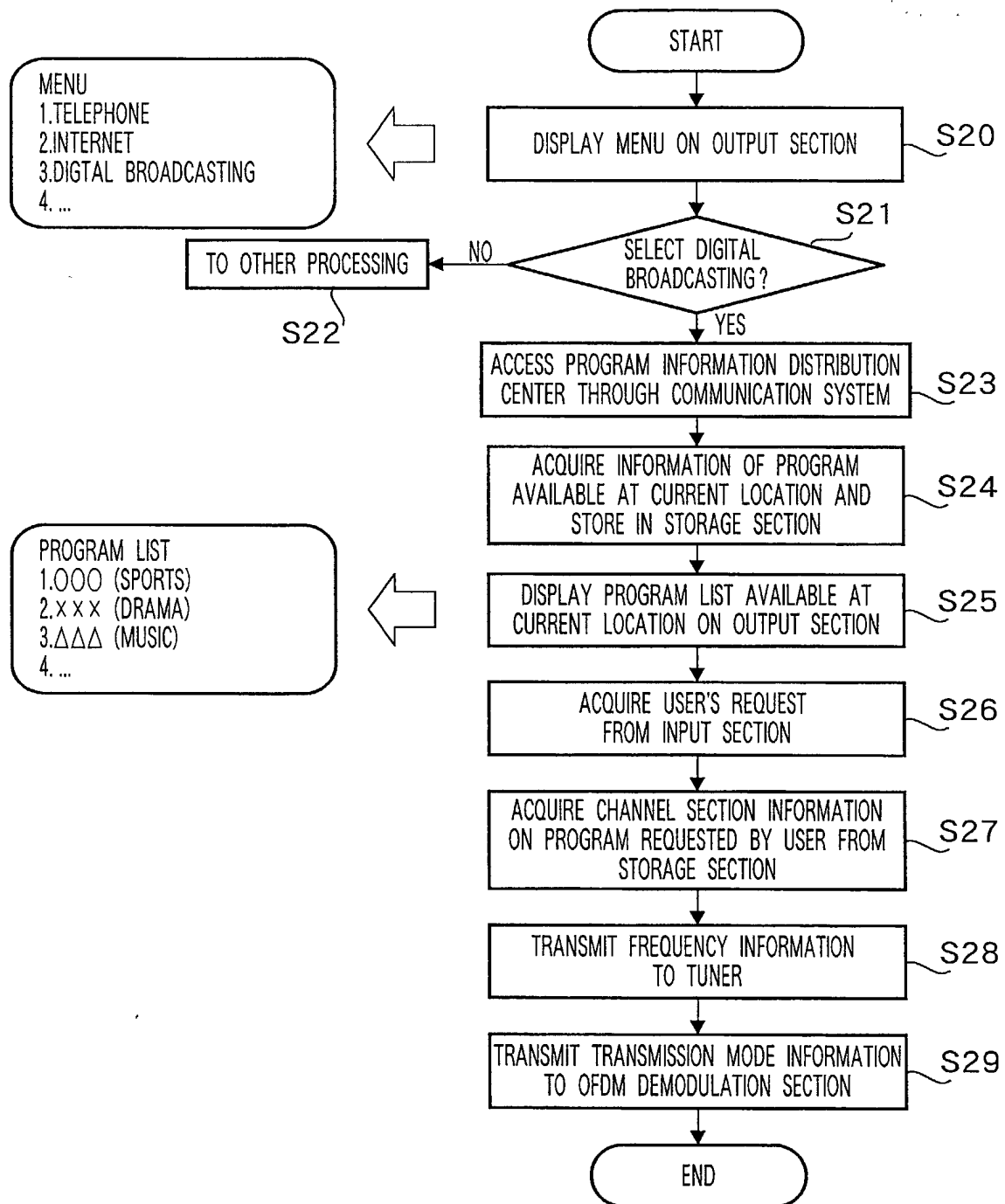


FIG. 13

$$\frac{1}{\sqrt{\pi}} \left(\frac{1}{\sqrt{\pi}} \int_0^x \frac{1}{t} dt + \frac{1}{\sqrt{\pi}} \int_x^\infty \frac{1}{t} dt \right) = \frac{1}{\sqrt{\pi}} \left(-\ln x + \lim_{t \rightarrow \infty} (-\ln t) \right)$$
FIG. 14

FIG. 14

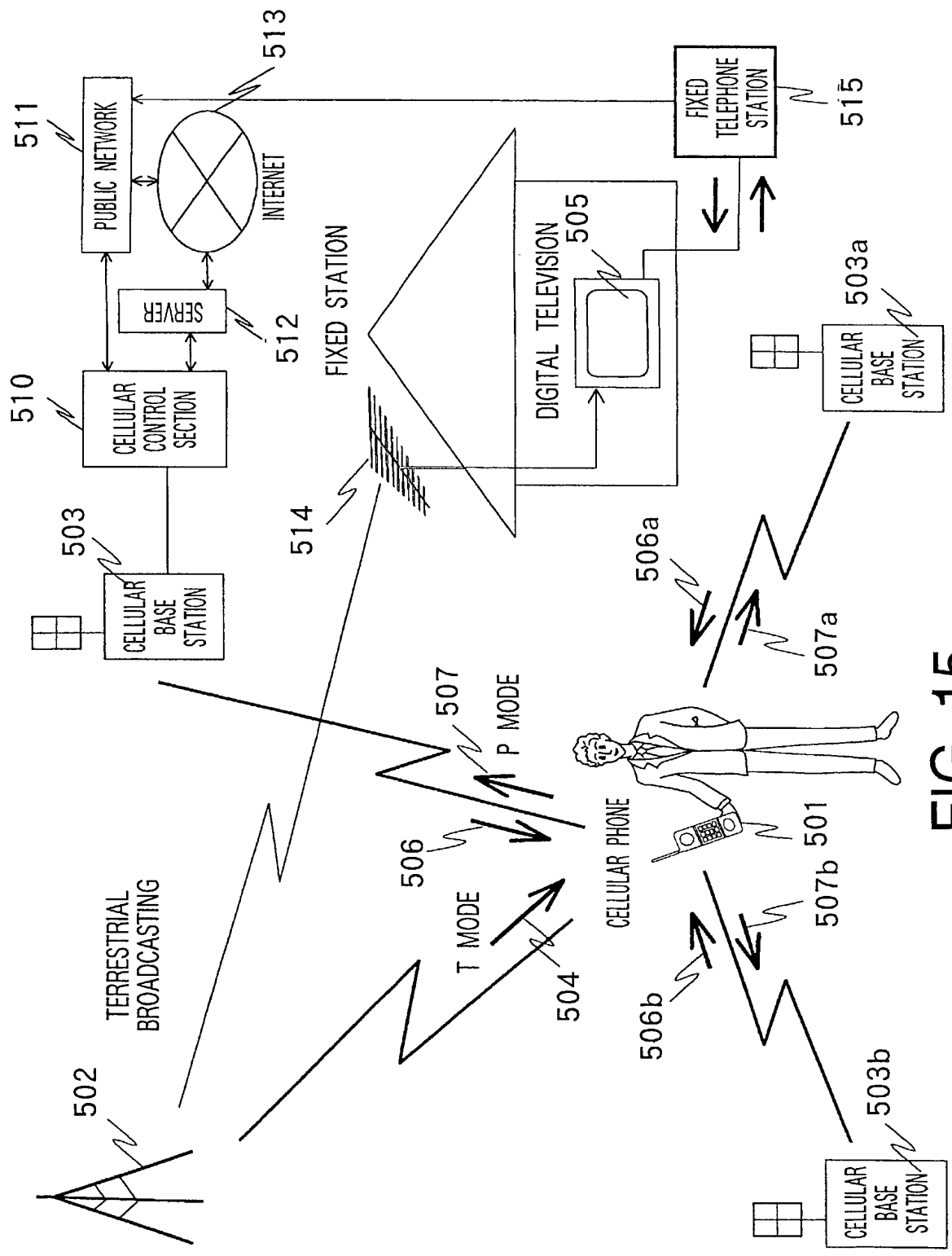


FIG. 15

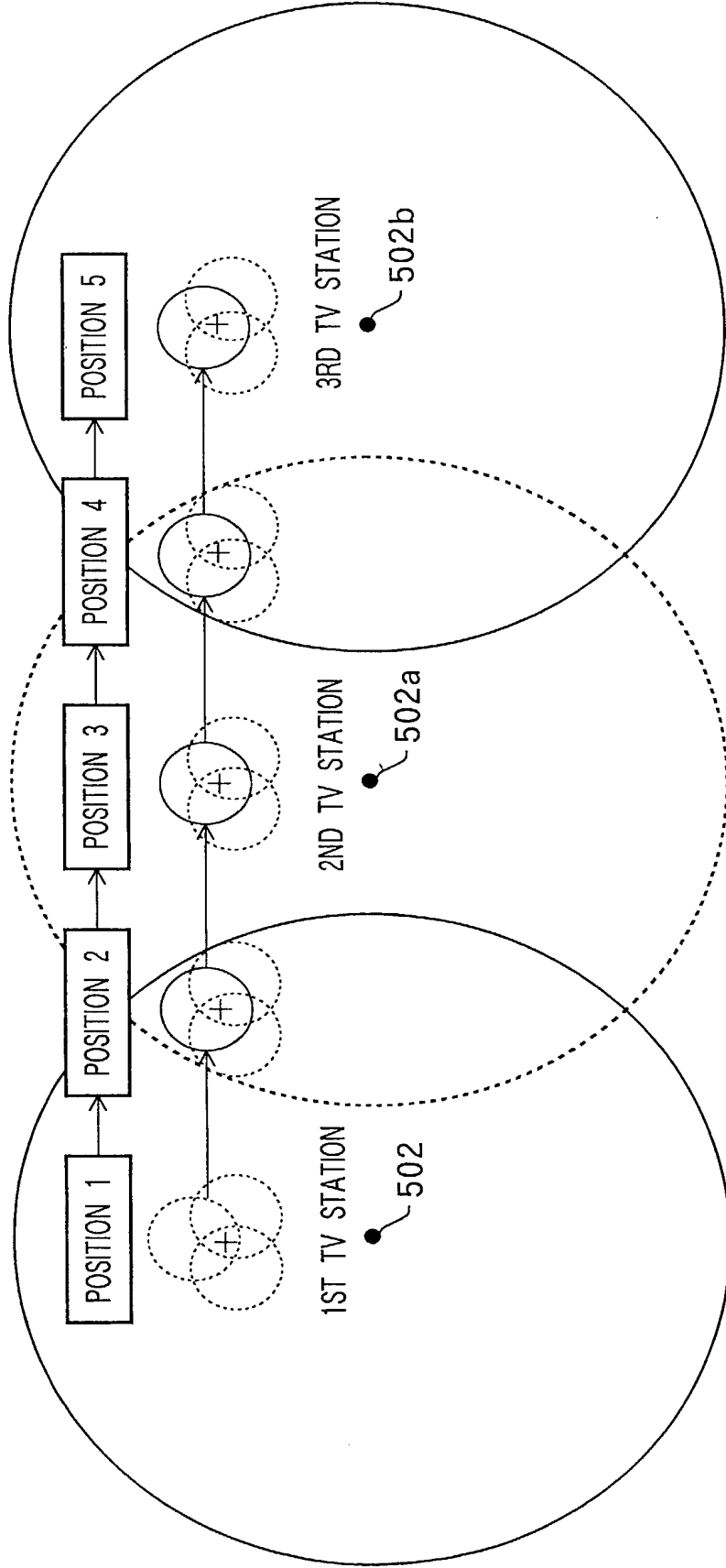


FIG. 16

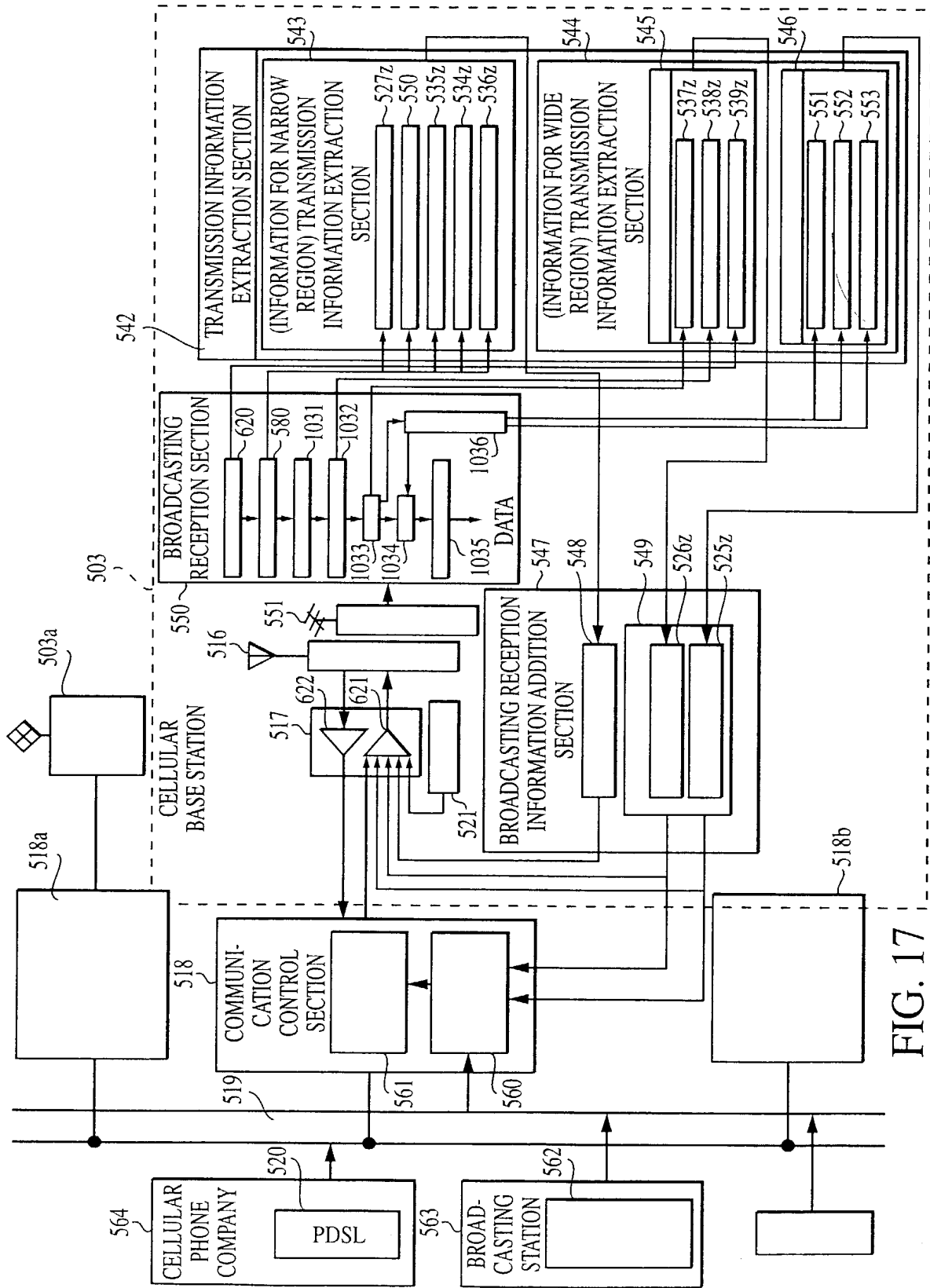
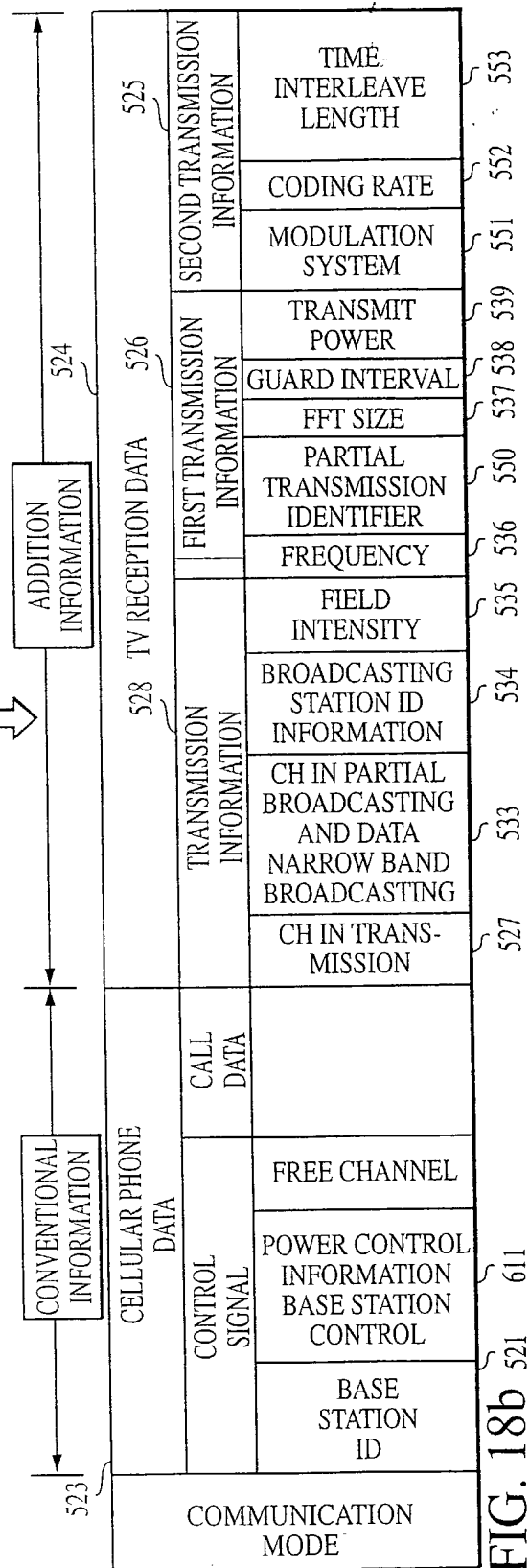
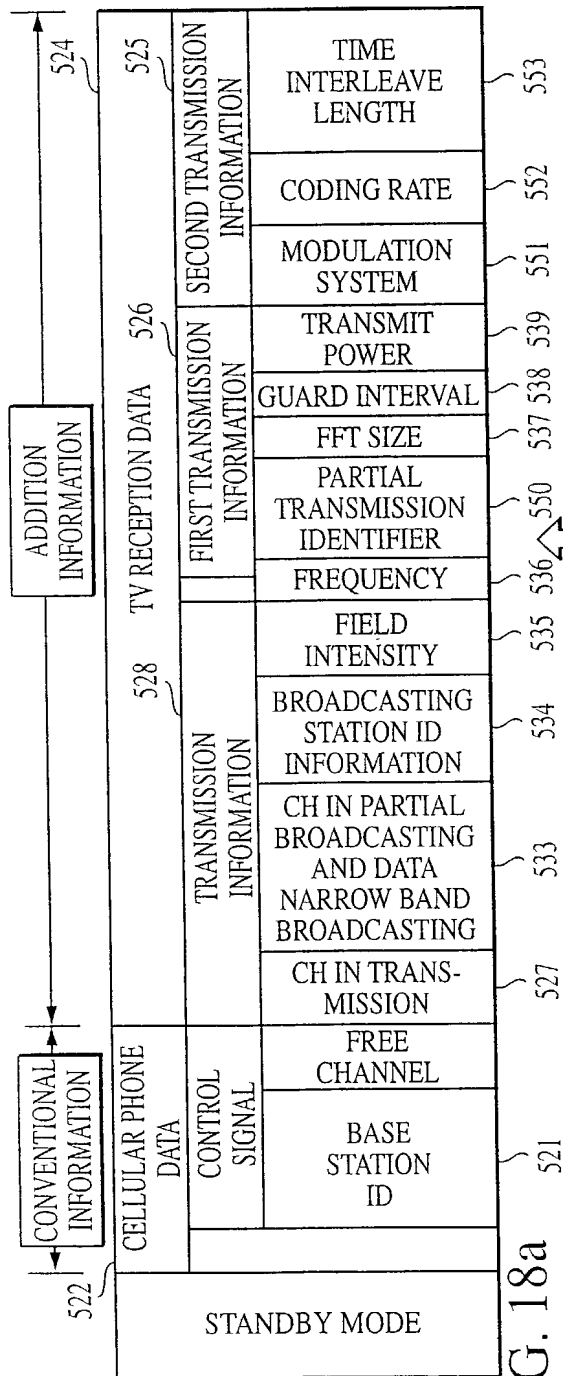


FIG. 17



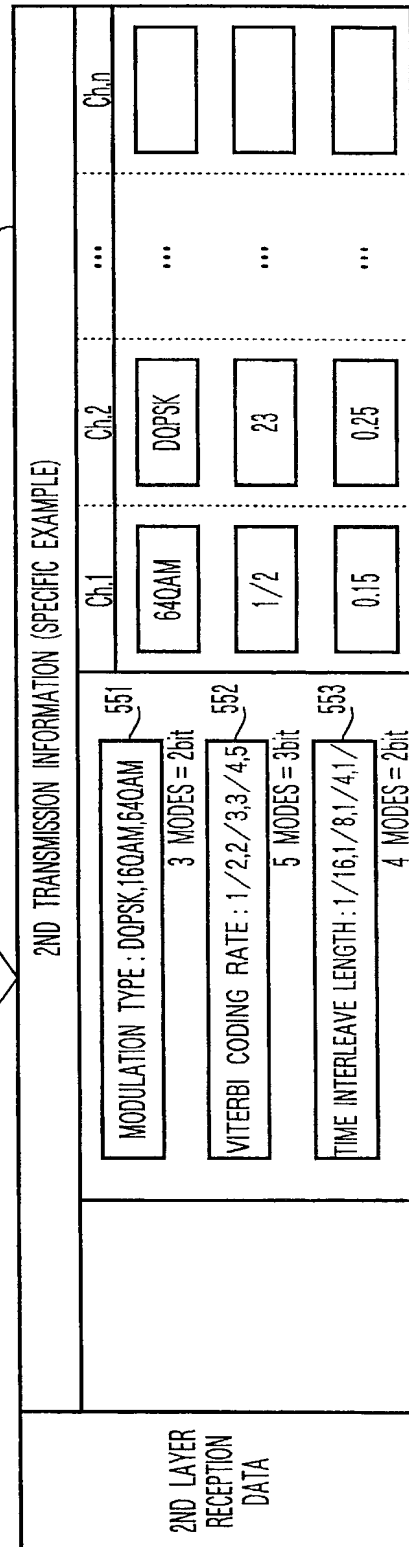
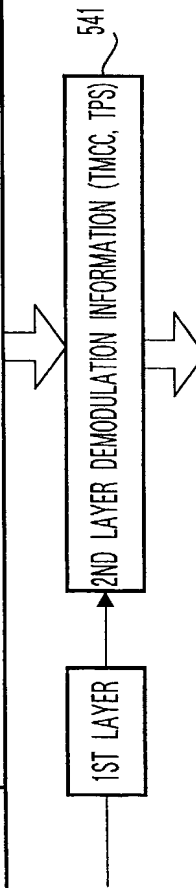
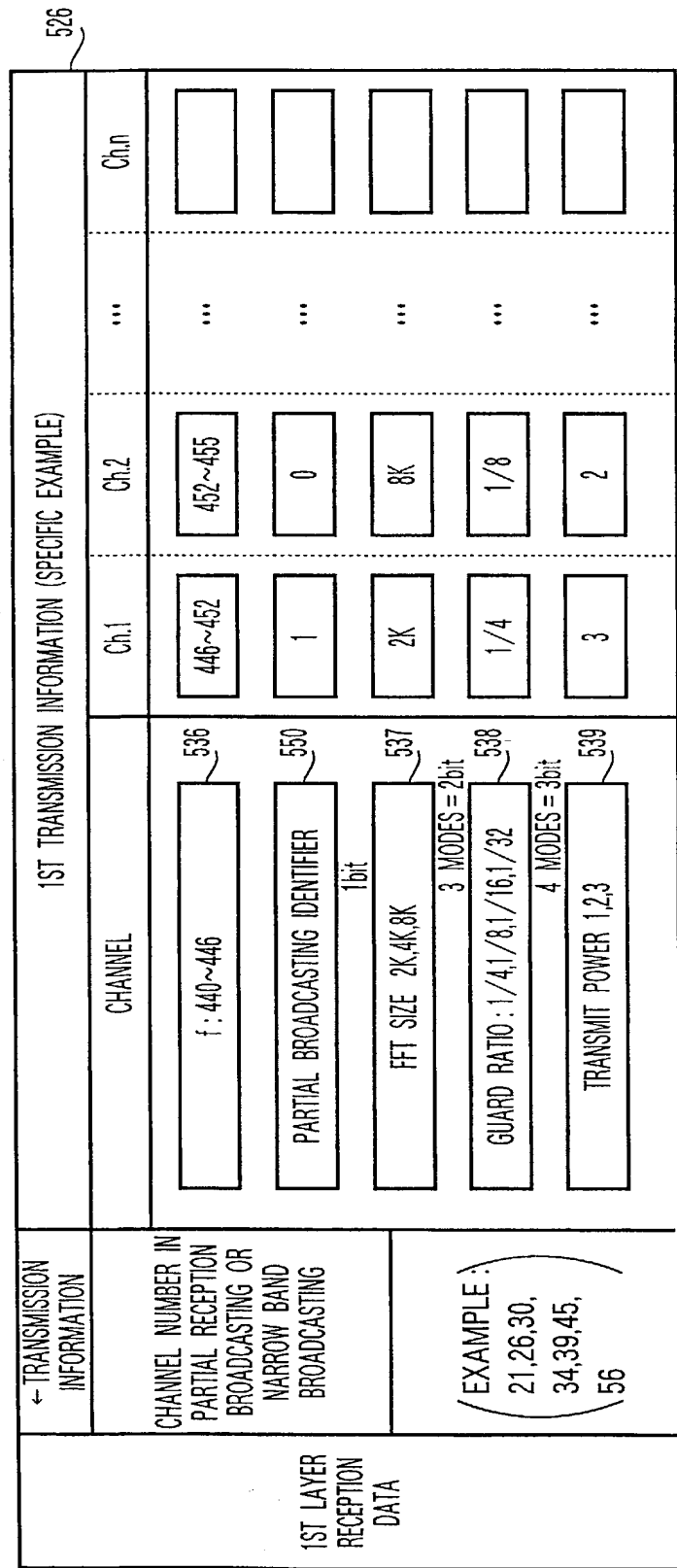


FIG. 19

FIG. 20(a) NORMAL BROADCASTING STATION

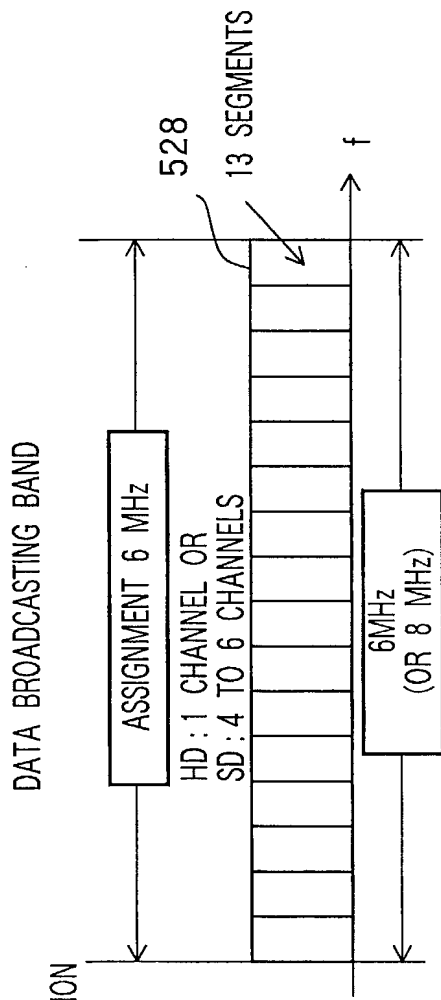


FIG. 20(b) DATA BROADCASTING THROUGH PARTIAL TRANSMISSION BY NORMAL BROADCASTING STATION

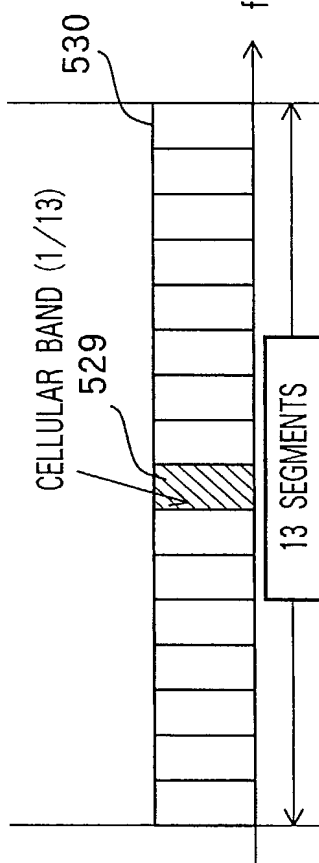
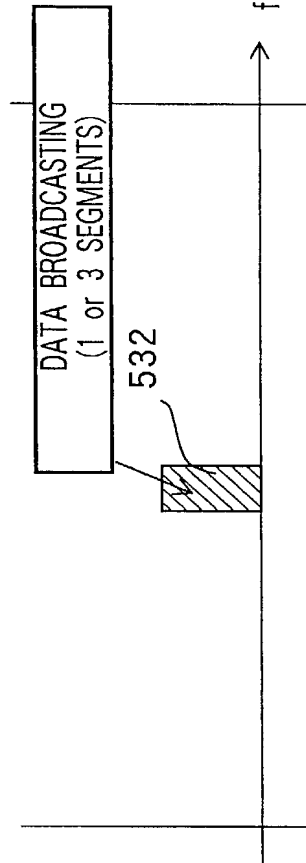


FIG. 20(c) DEDICATED DATA BROADCASTING STATION



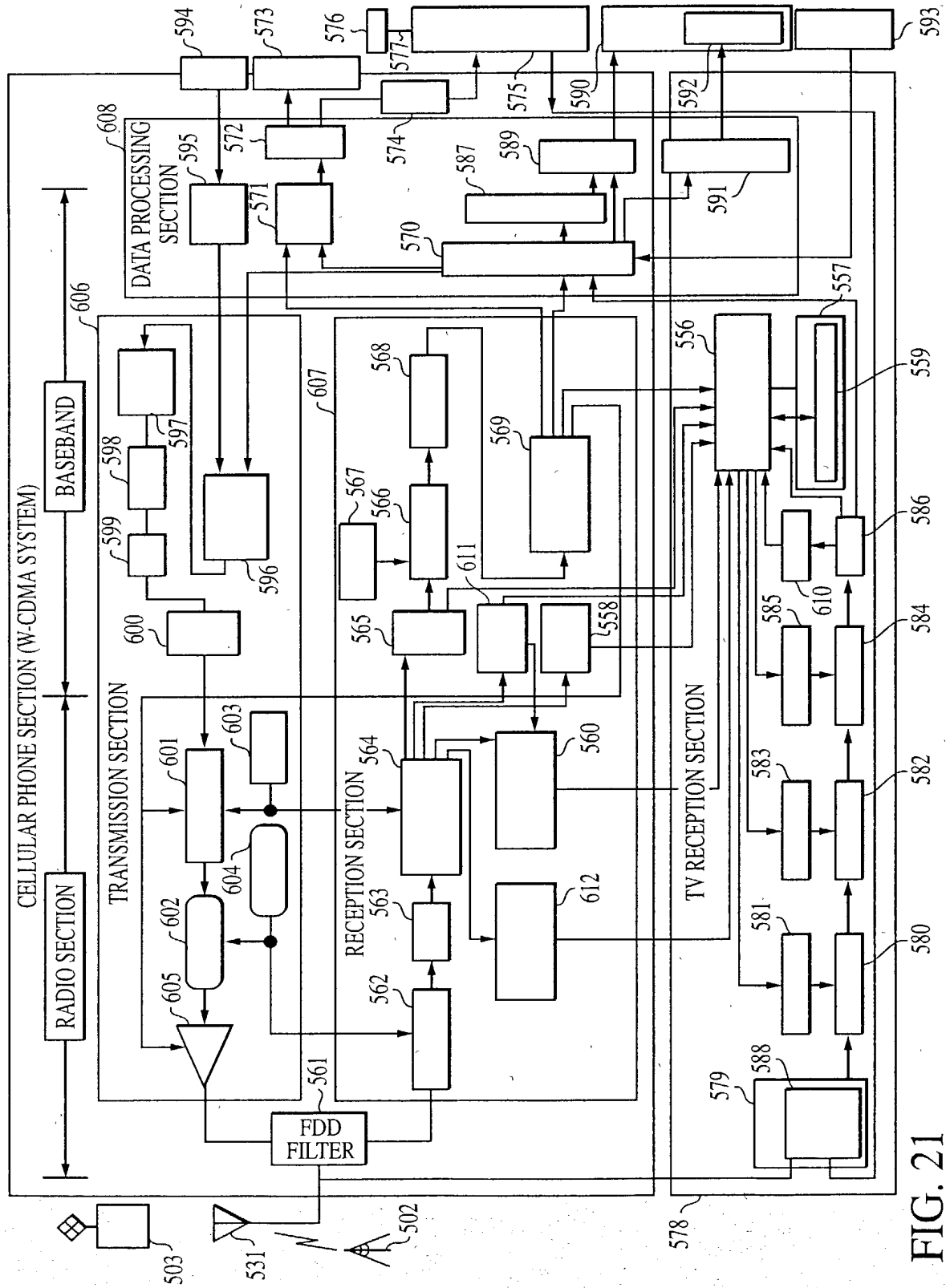


FIG. 21

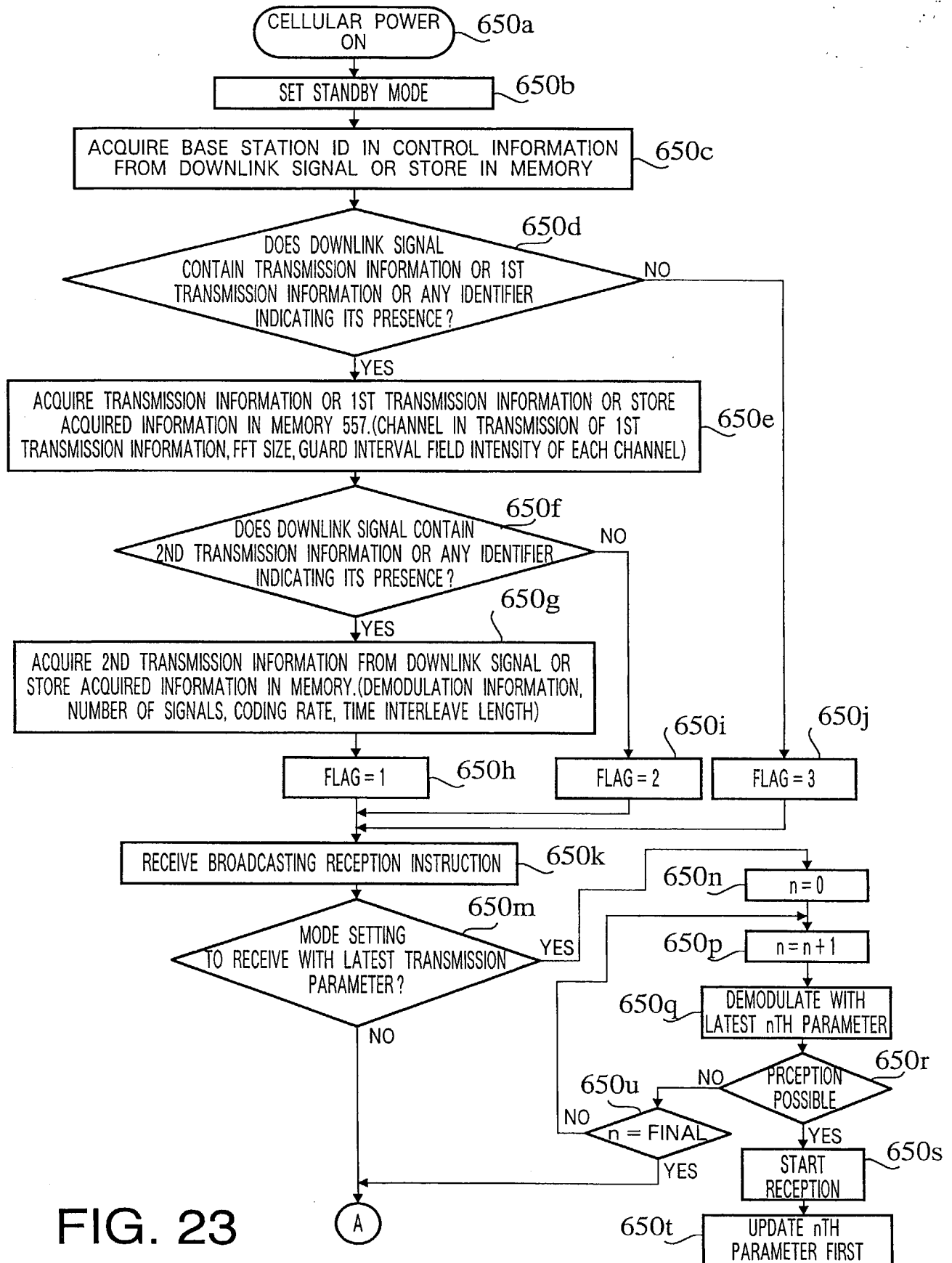


FIG. 23

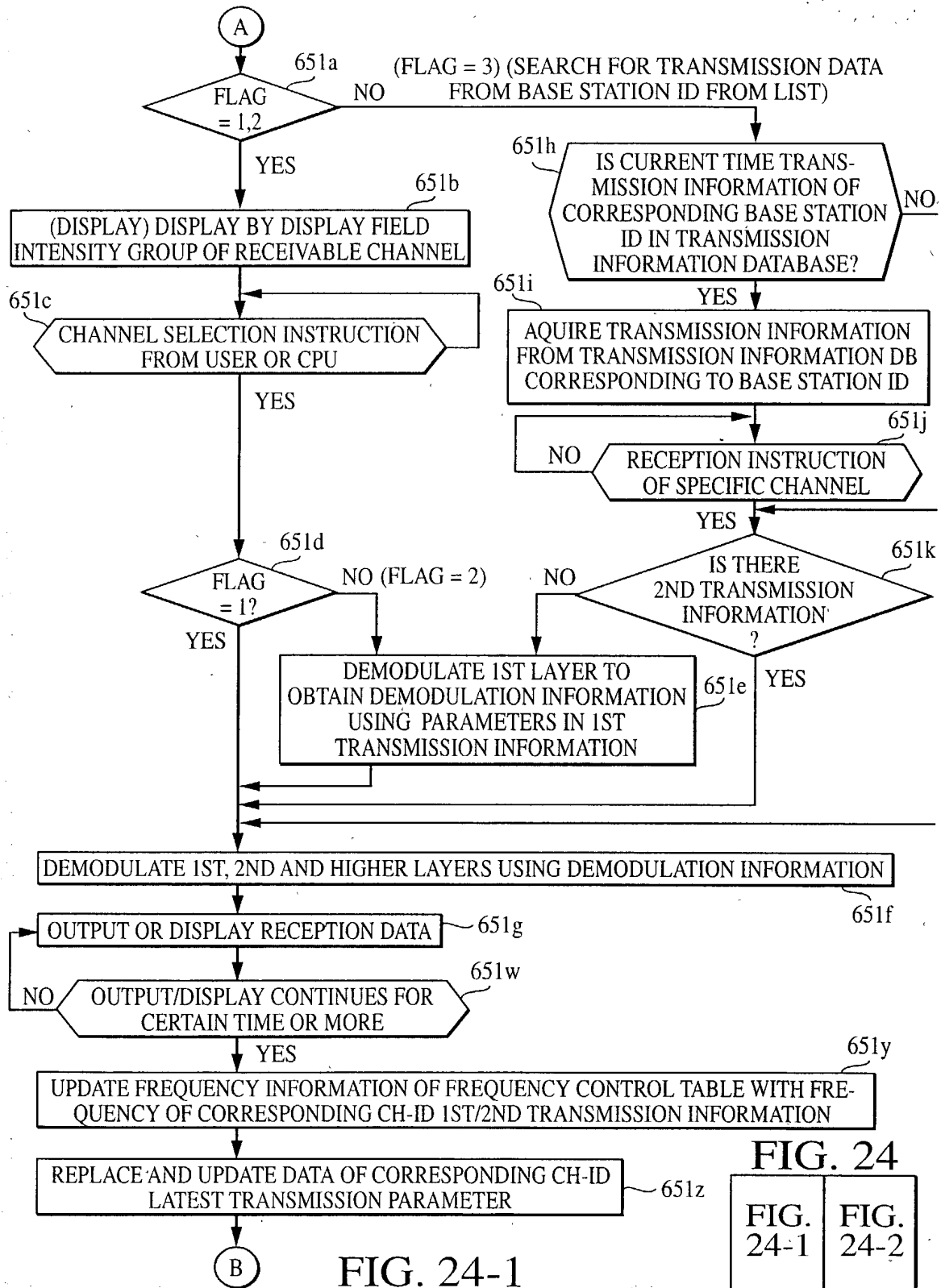


FIG. 24

FIG. 24-1

FIG. 24-2

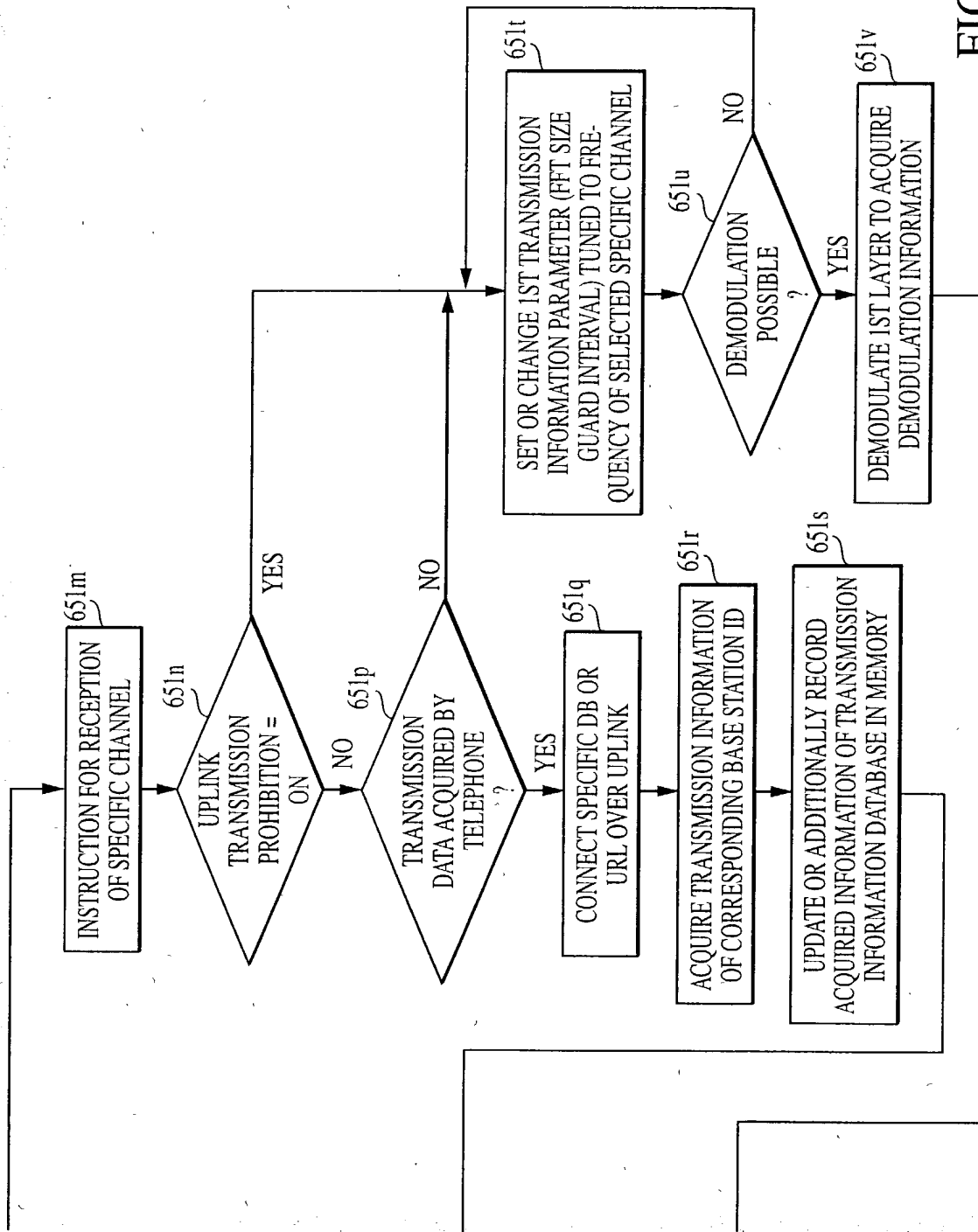
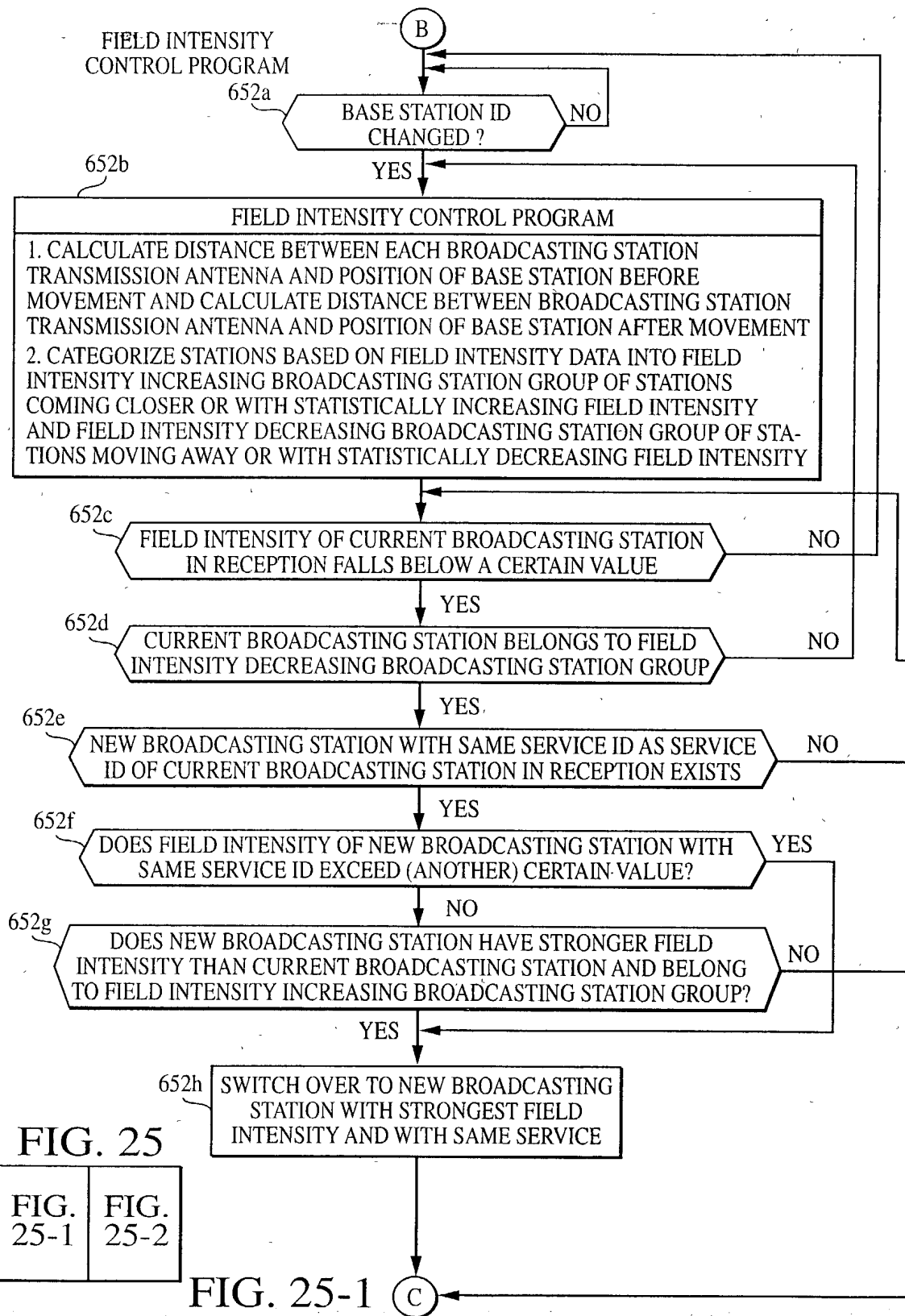


FIG. 24-2



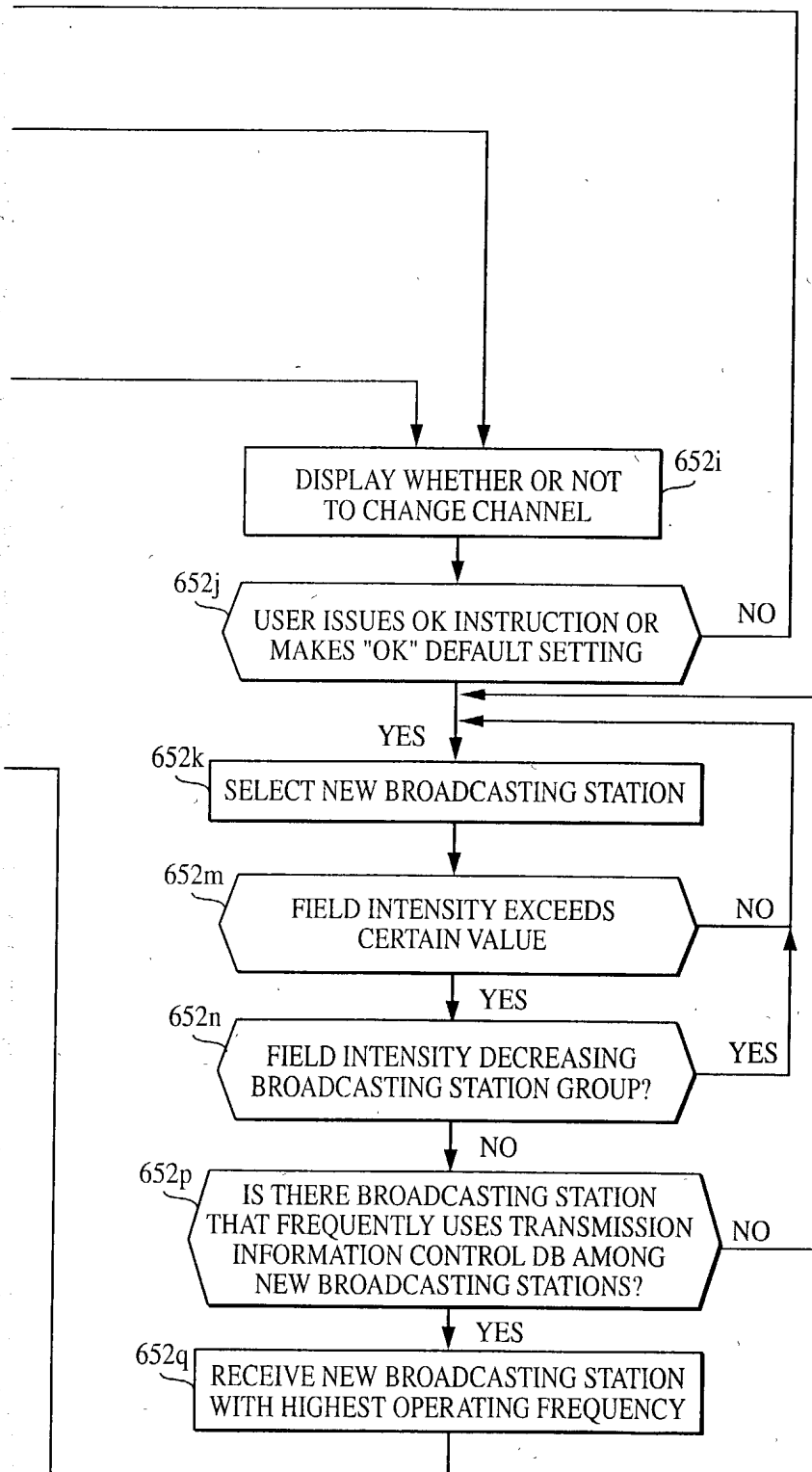


FIG. 25-2

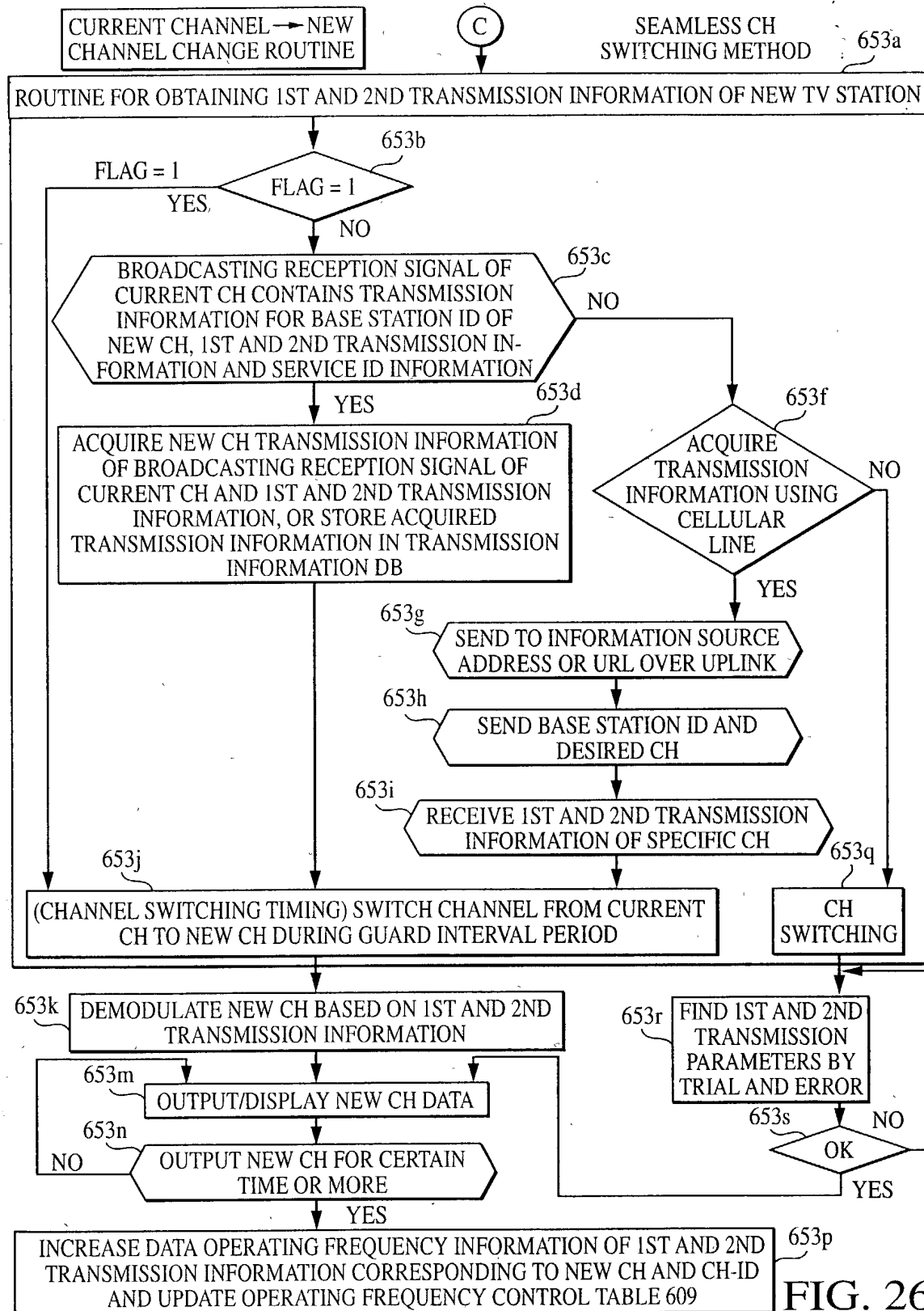


FIG. 26

FIG. 27

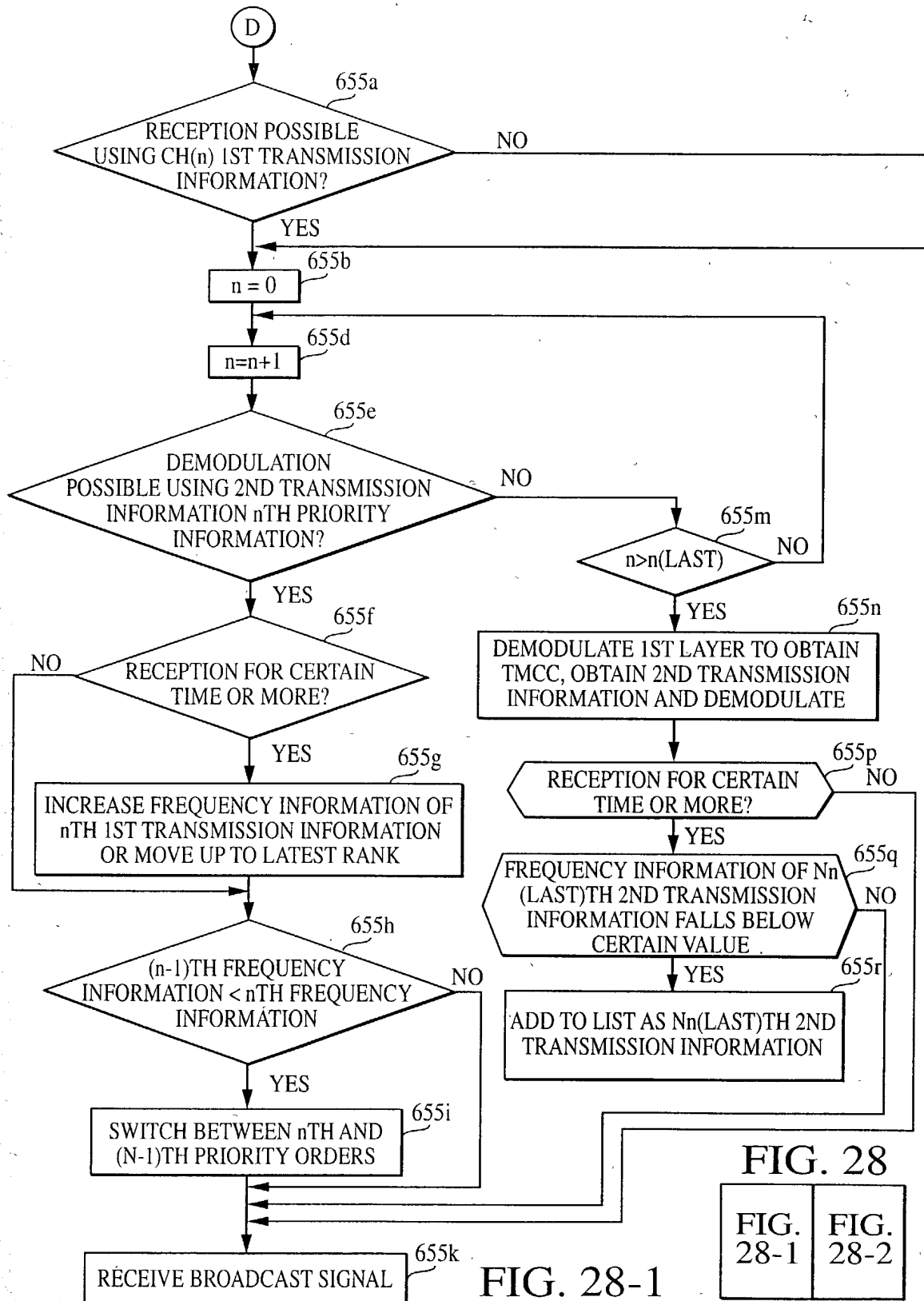


FIG. 28

FIG.
28-1

FIG.
28-2

FIG. 28-2

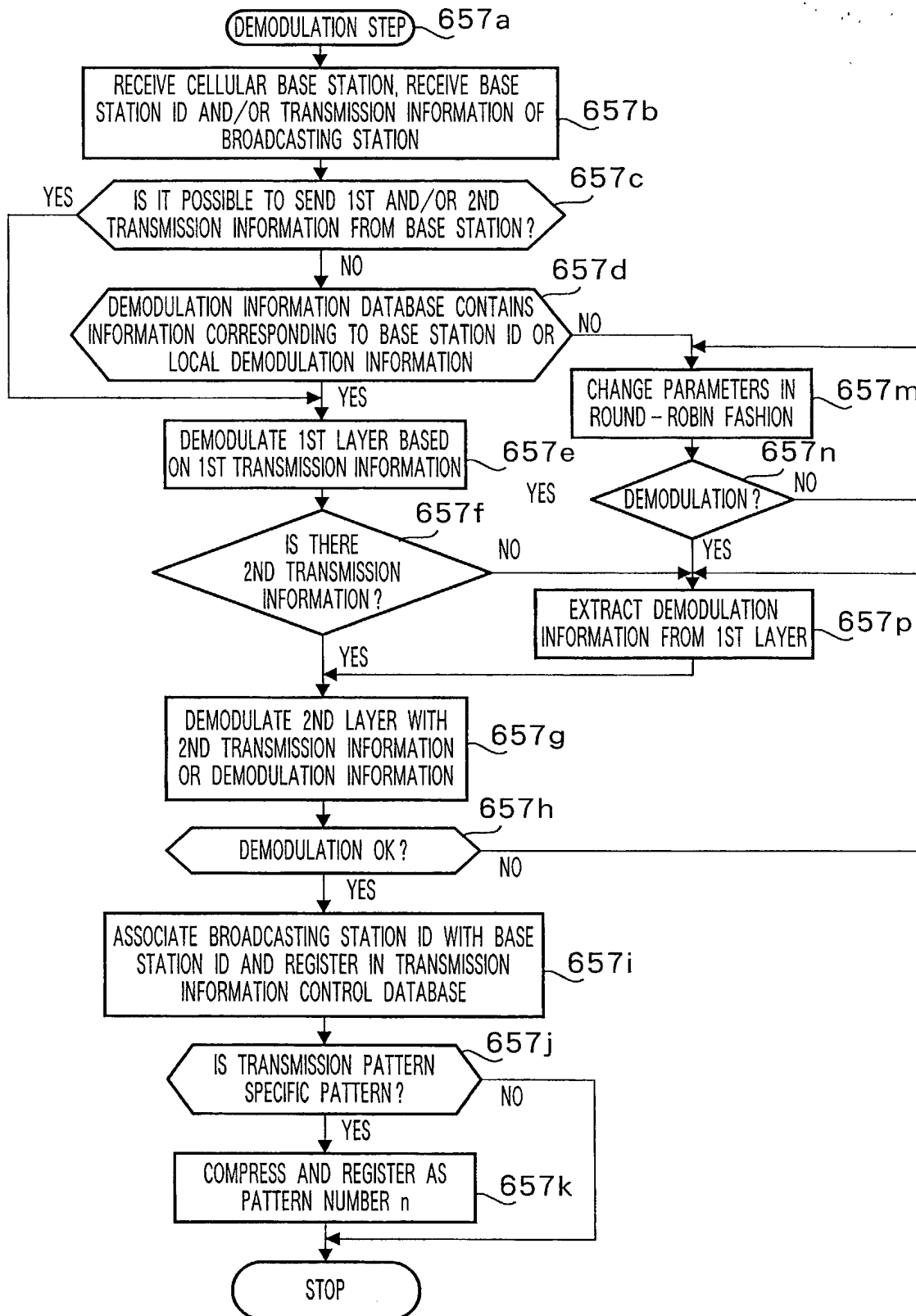


FIG. 29

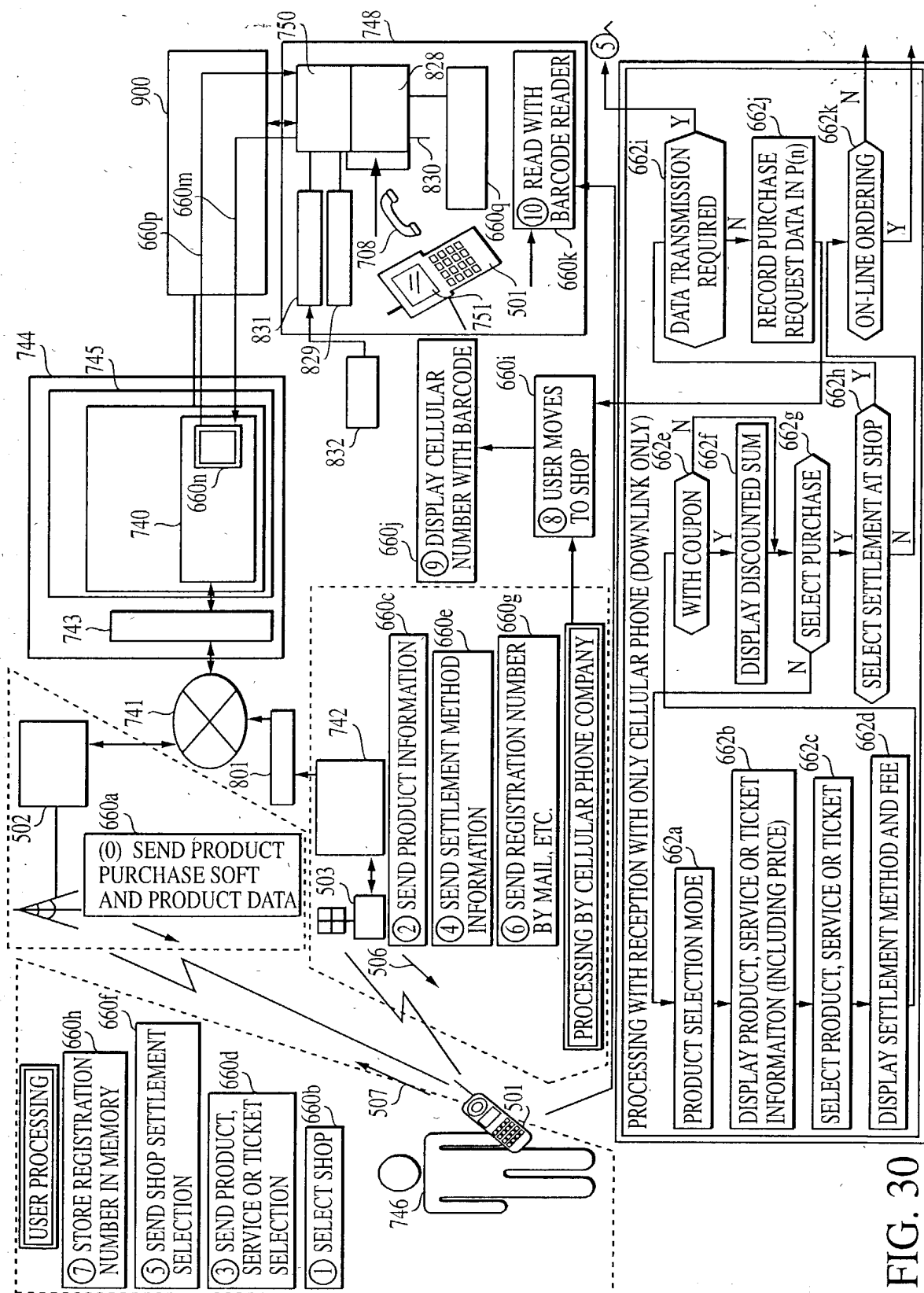


FIG. 30

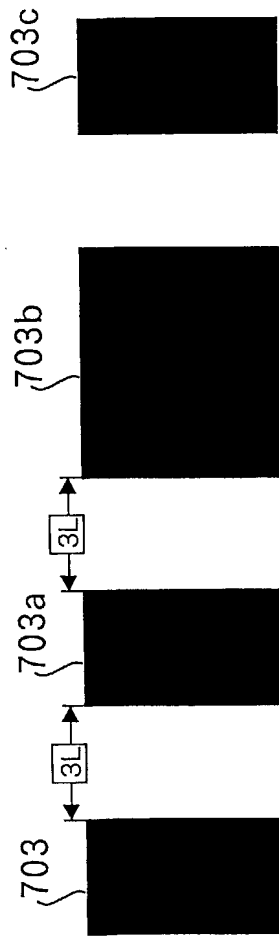


FIG. 32(a)

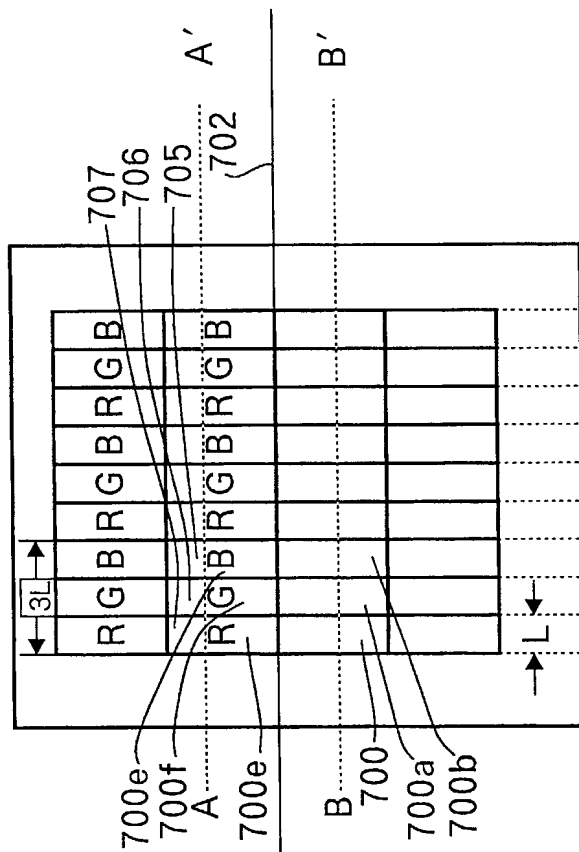


FIG. 32(b)

FIG. 32(c)

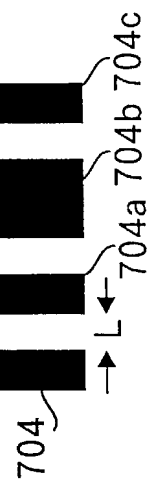


FIG. 32(d)

FIG. 33(a)

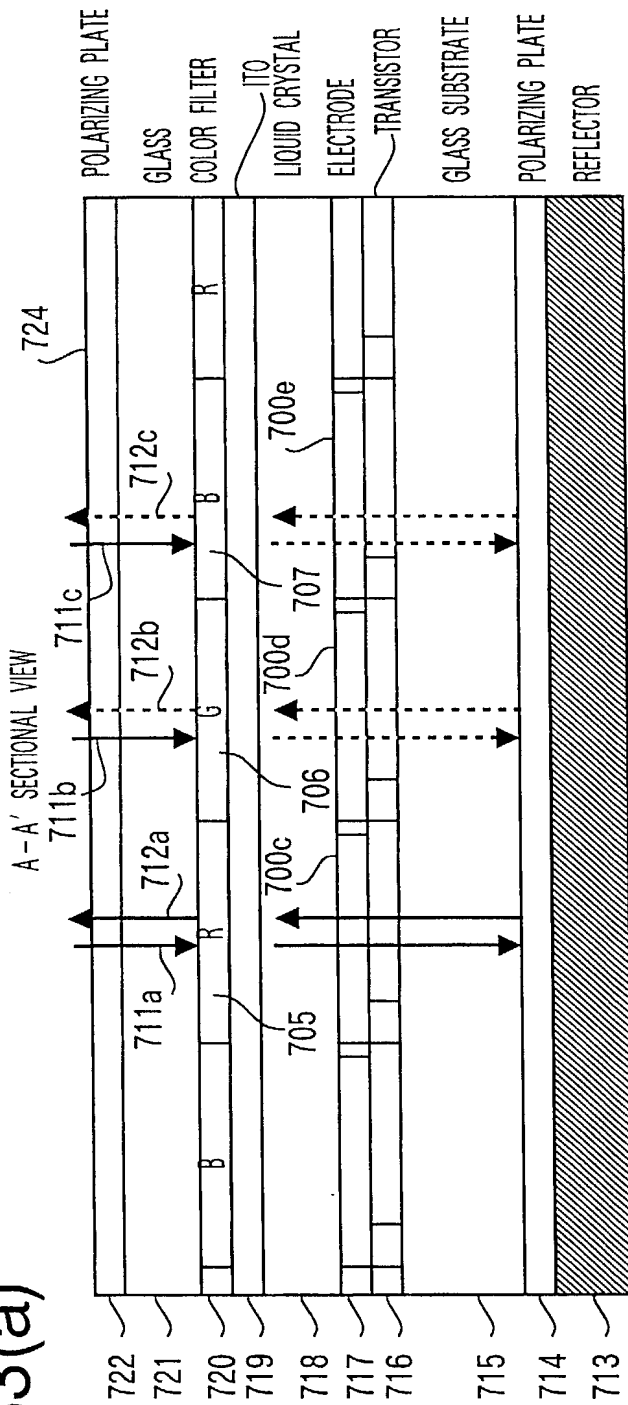
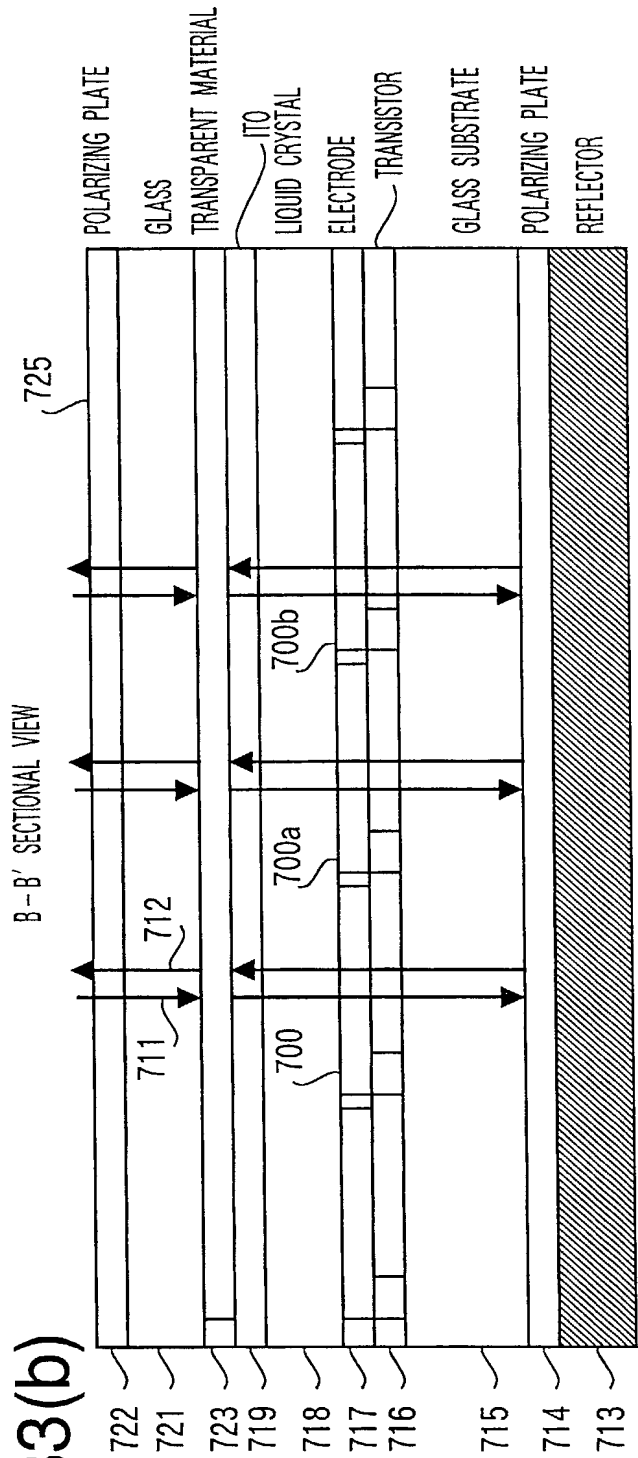


FIG. 33(b)



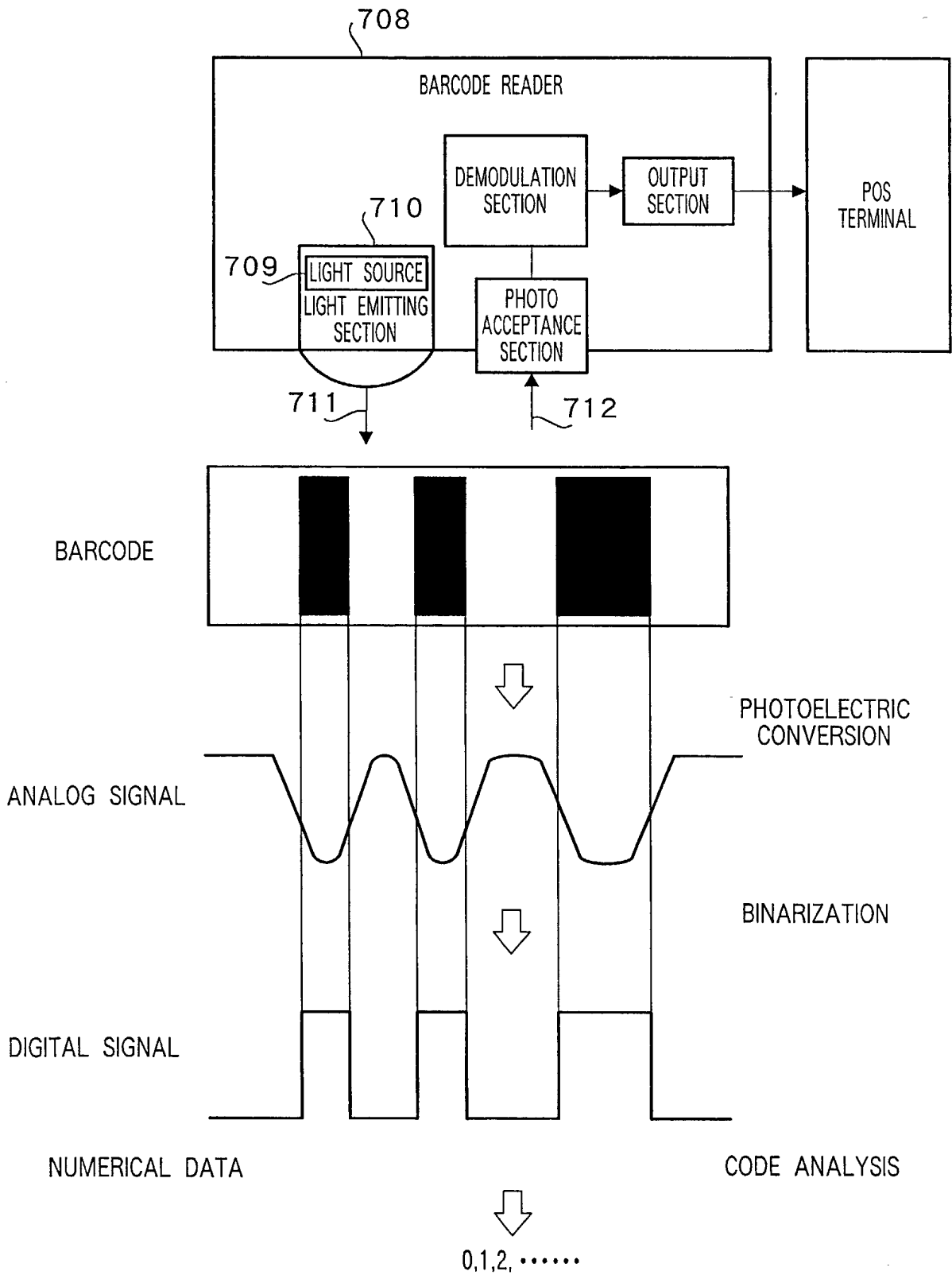


FIG. 34

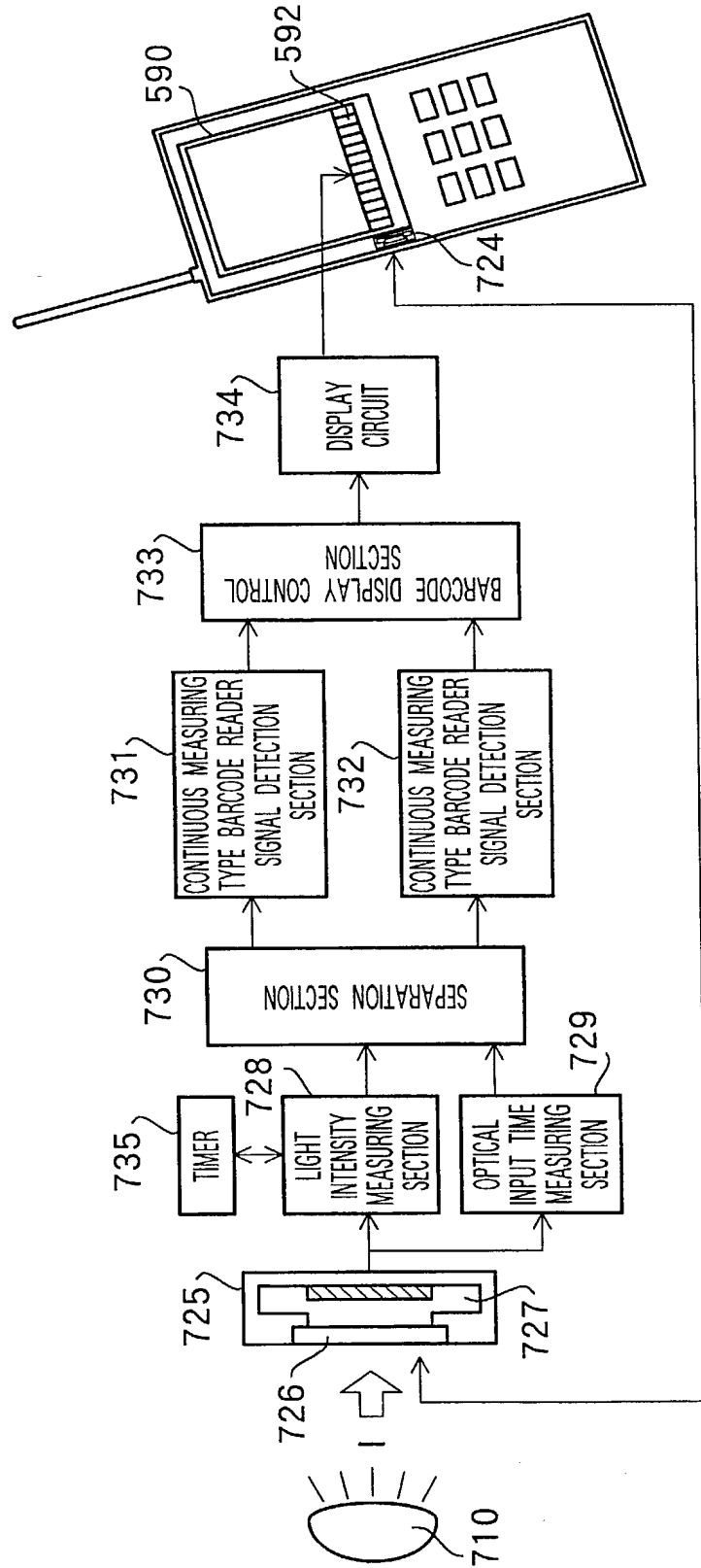


FIG. 35

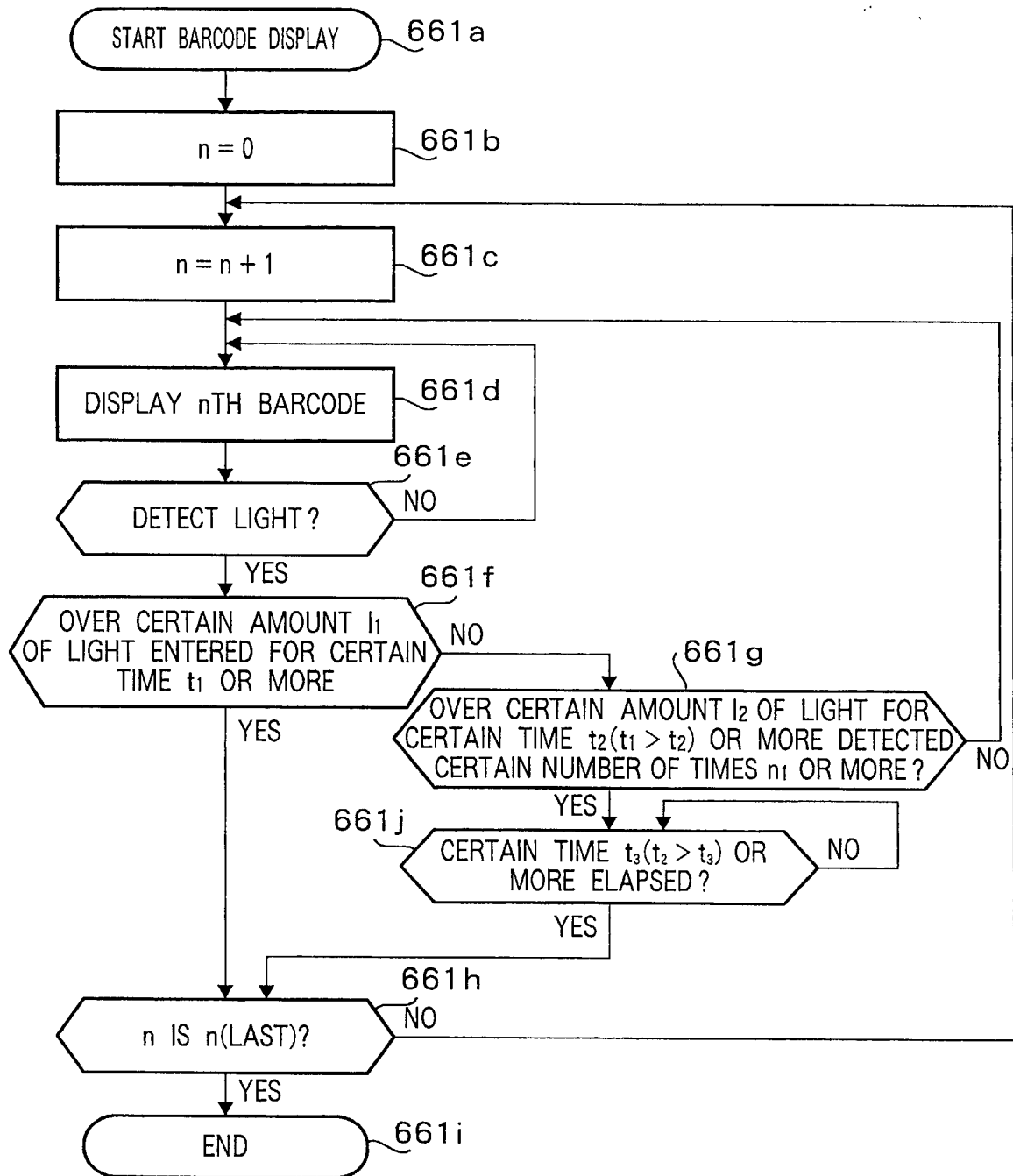


FIG. 36

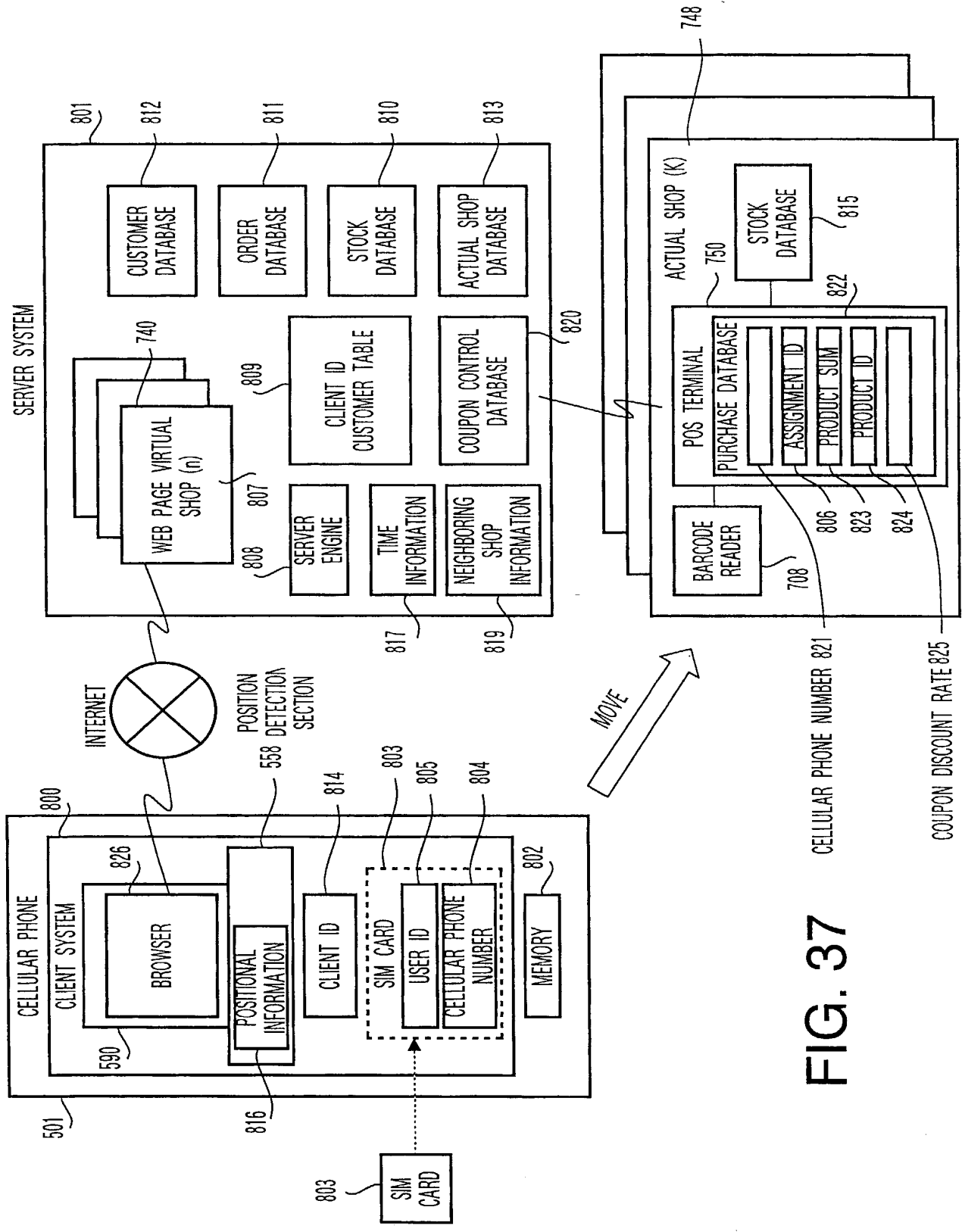


FIG. 37

CELLULAR PHONE NUMBER 821

COUPON DISCOUNT RATE 825

FIG. 38

FIG. 39(a)

MENU SCREEN

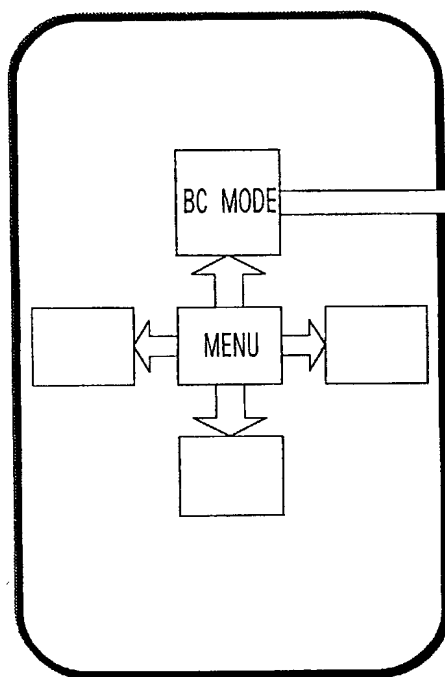
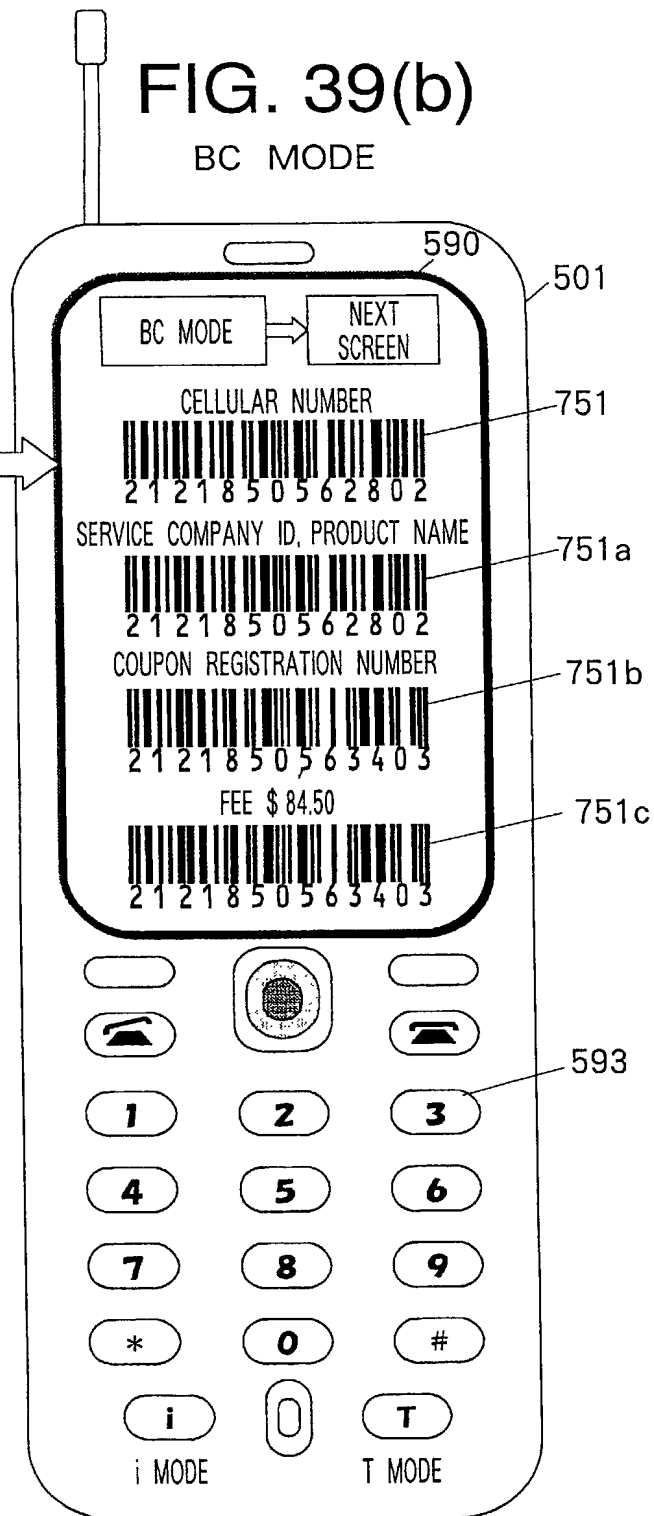


FIG. 39(b)

BC MODE



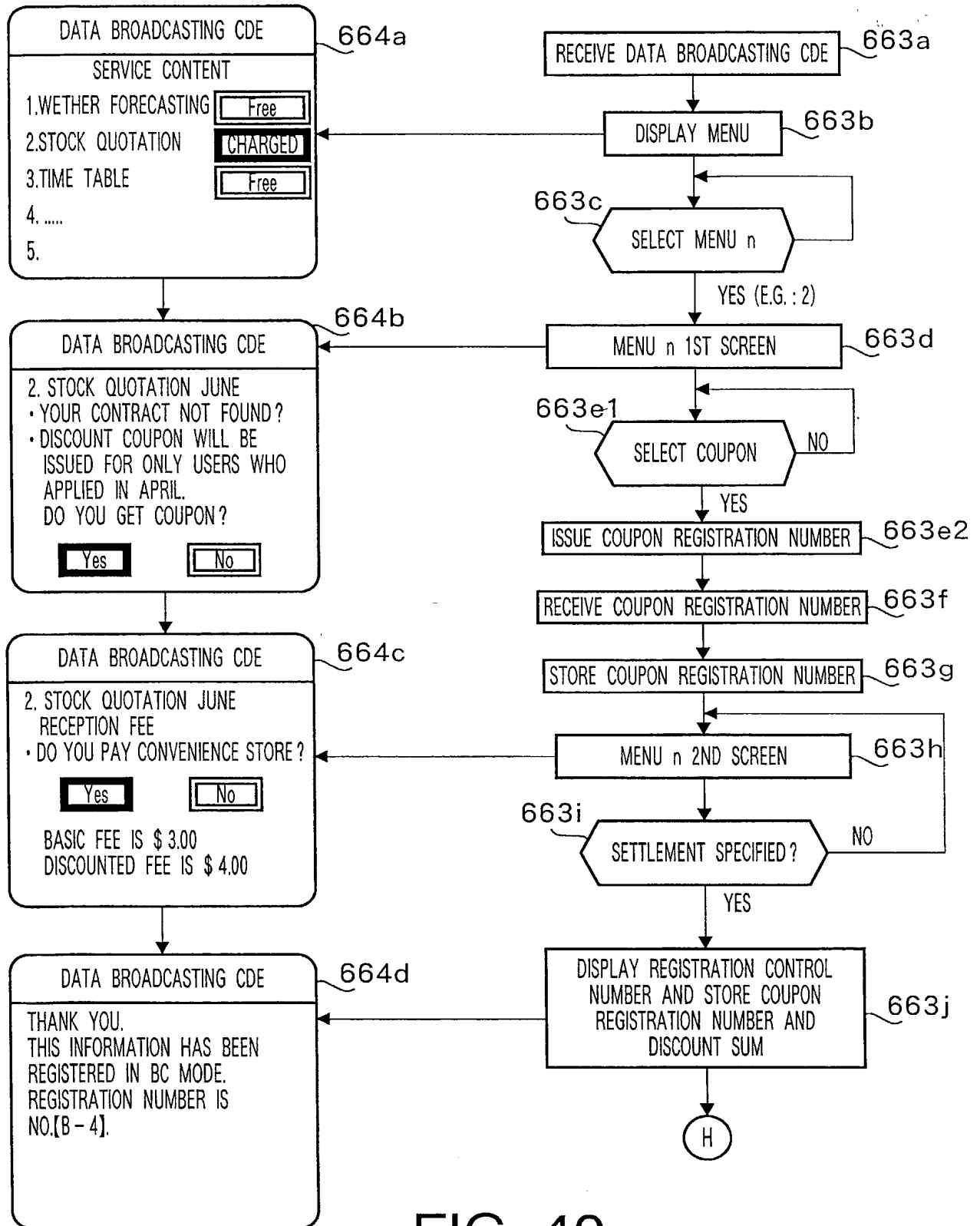


FIG. 40

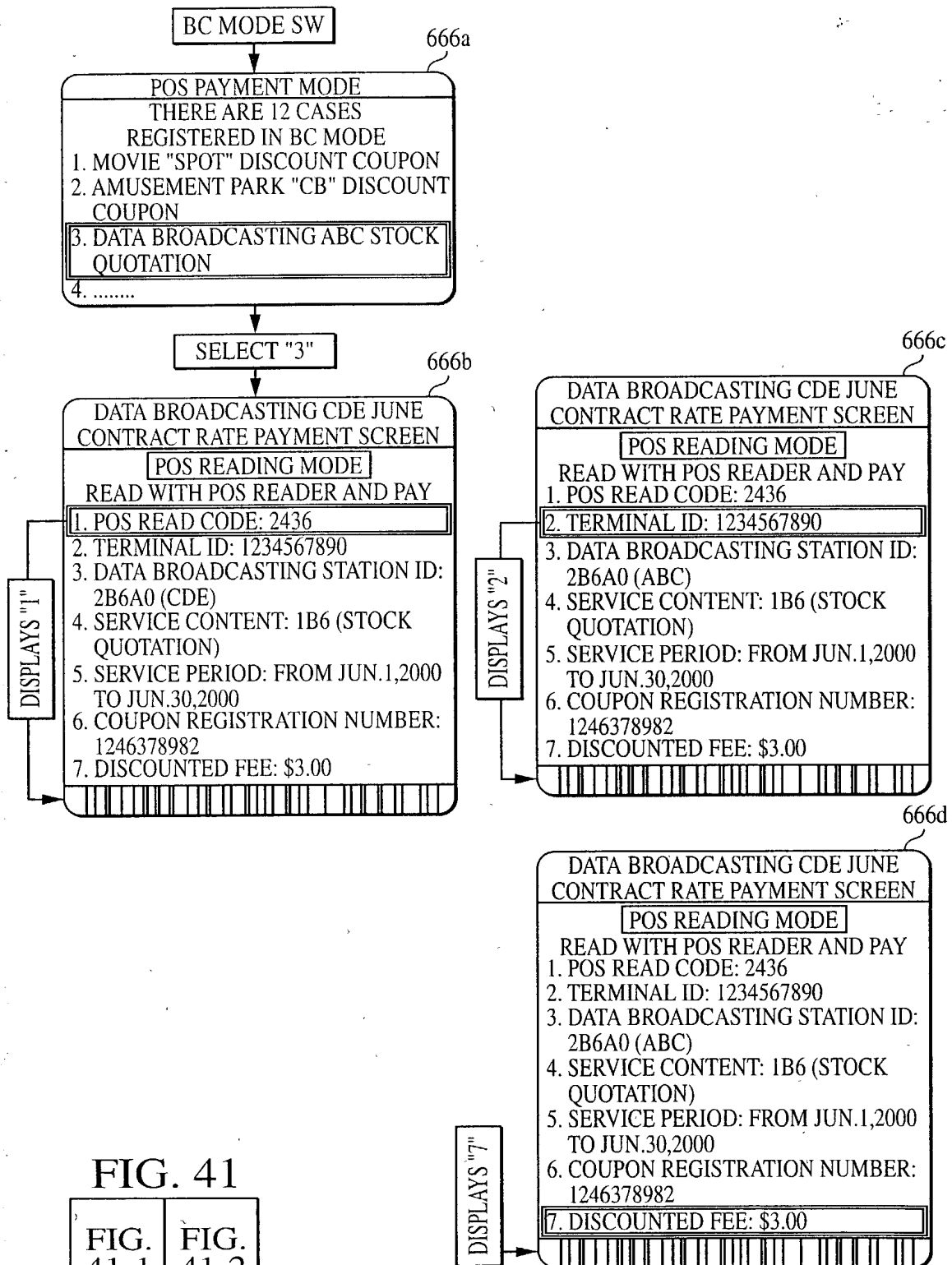


FIG. 41

FIG.
41-1

FIG.
41-2

FIG. 41-1

FIG. 41-2

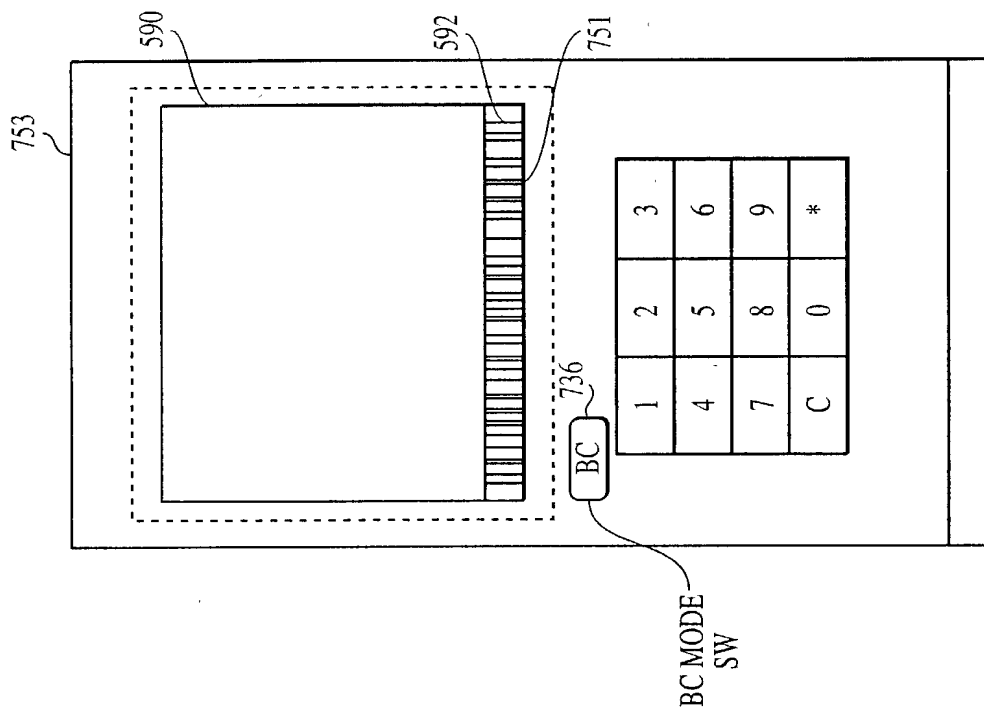
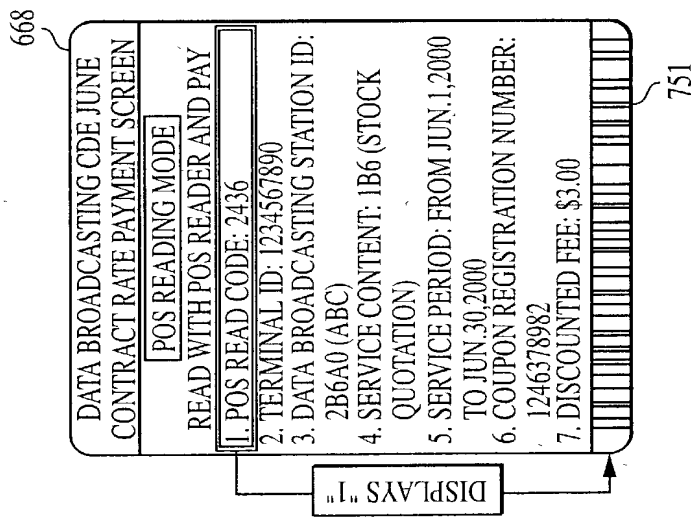


FIG. 42a

FIG. 43(a)

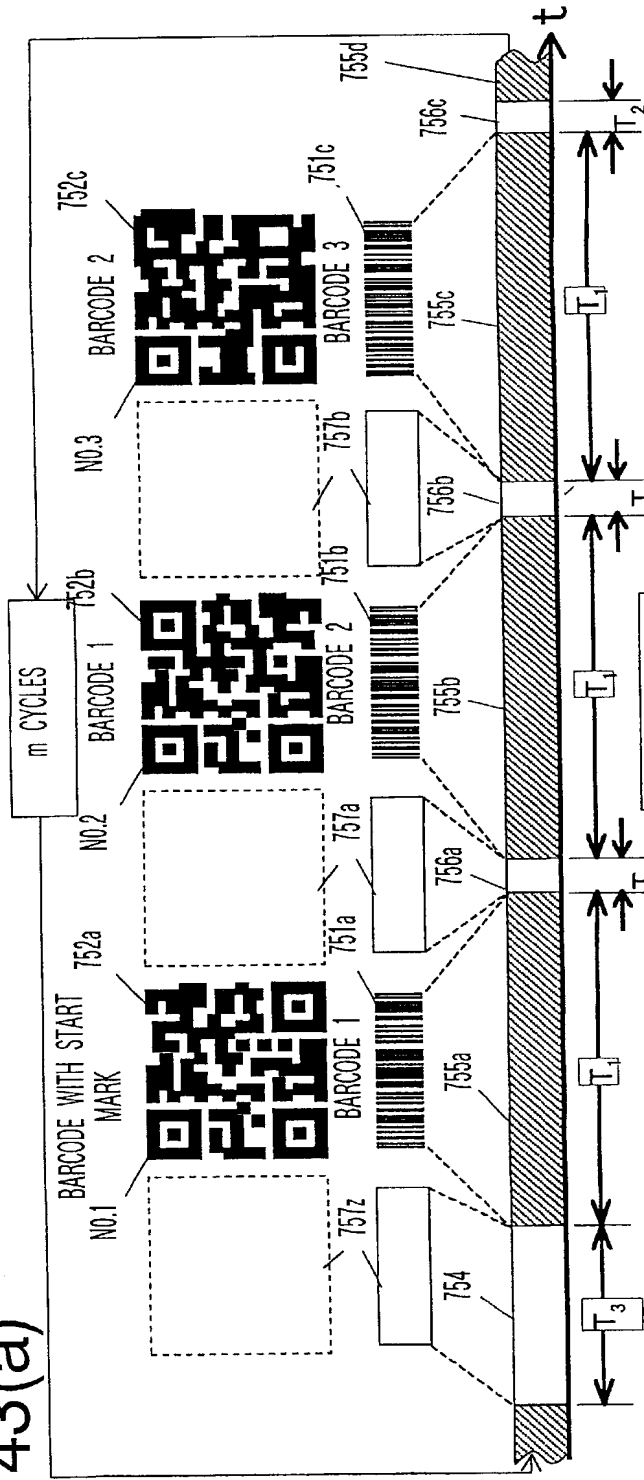
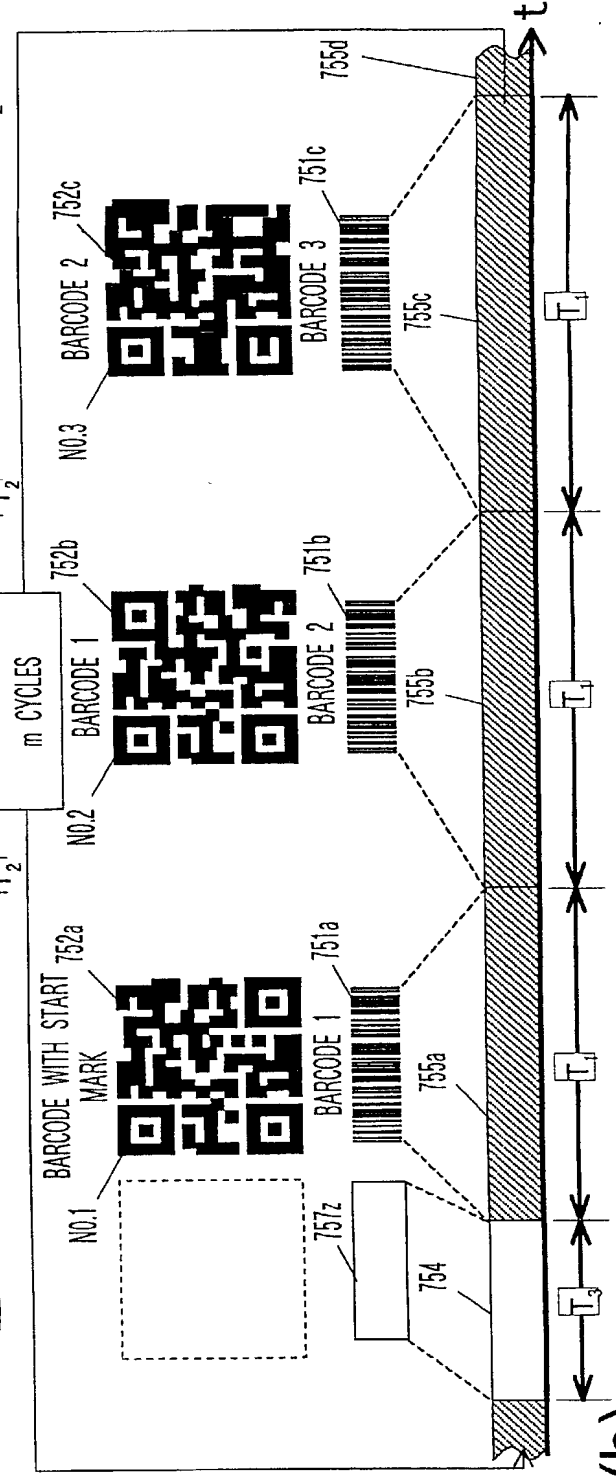


FIG. 43(b)



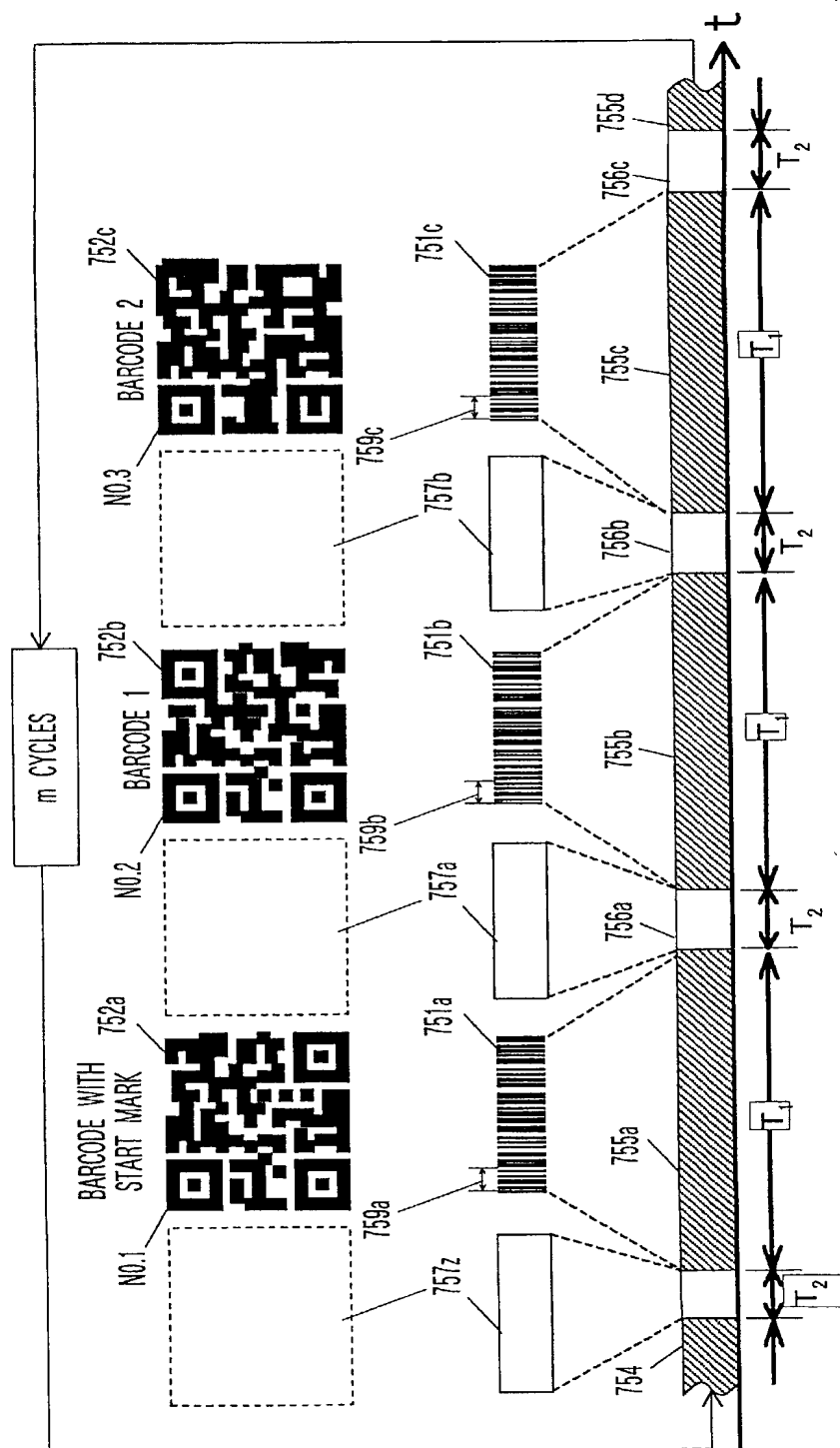
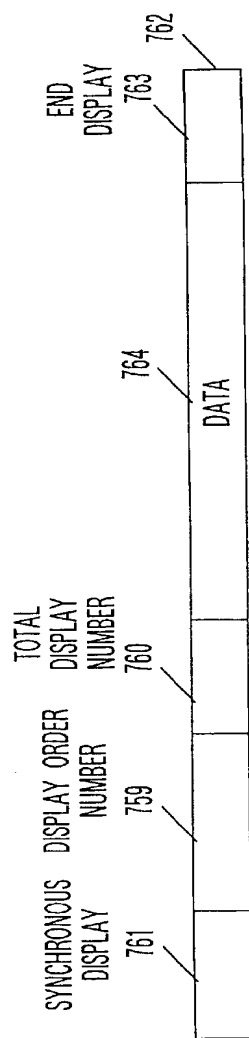


FIG. 44

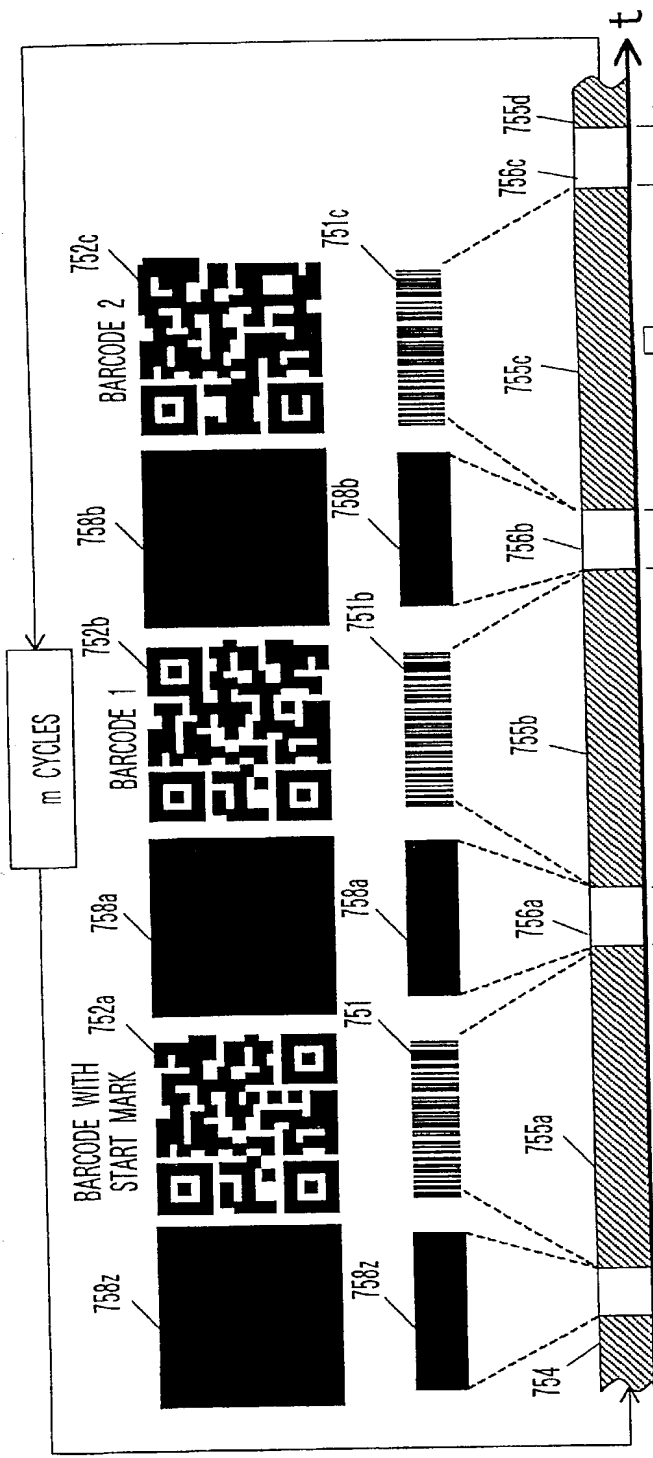


FIG. 45(a)

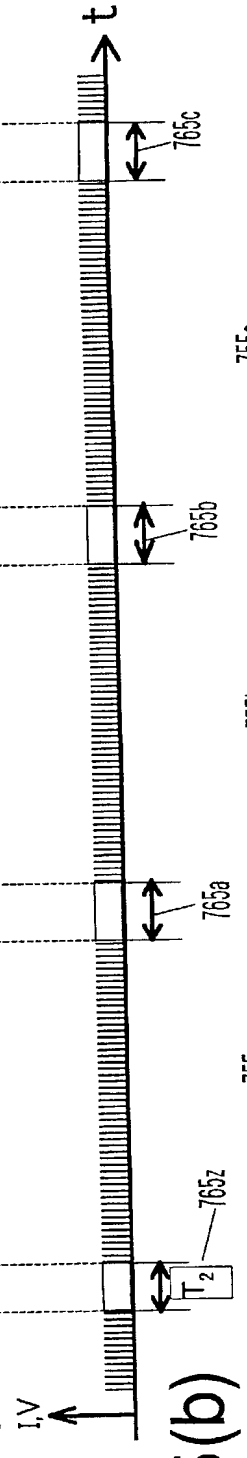


FIG. 45(b)

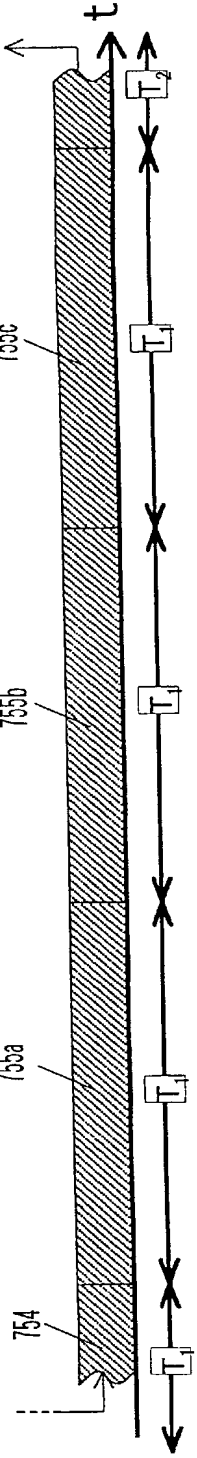


FIG. 45(c)

DATA STRUCTURE OF ELECTRONIC MONEY

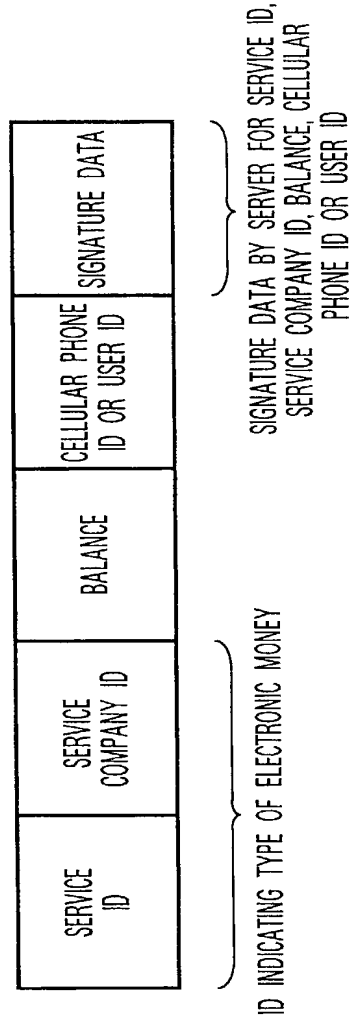


FIG. 46(a)

DATA STRUCTURE OF ELECTRONIC MONEY DISPLAYED WITH BARCODE

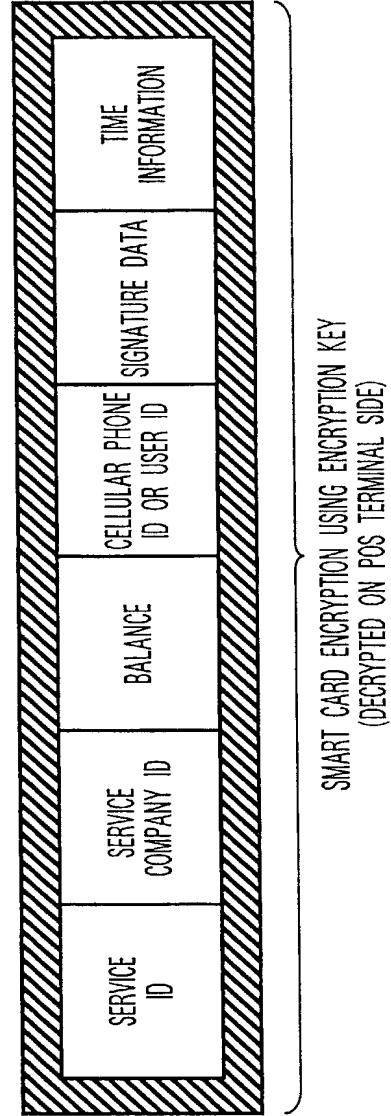


FIG. 46(b)

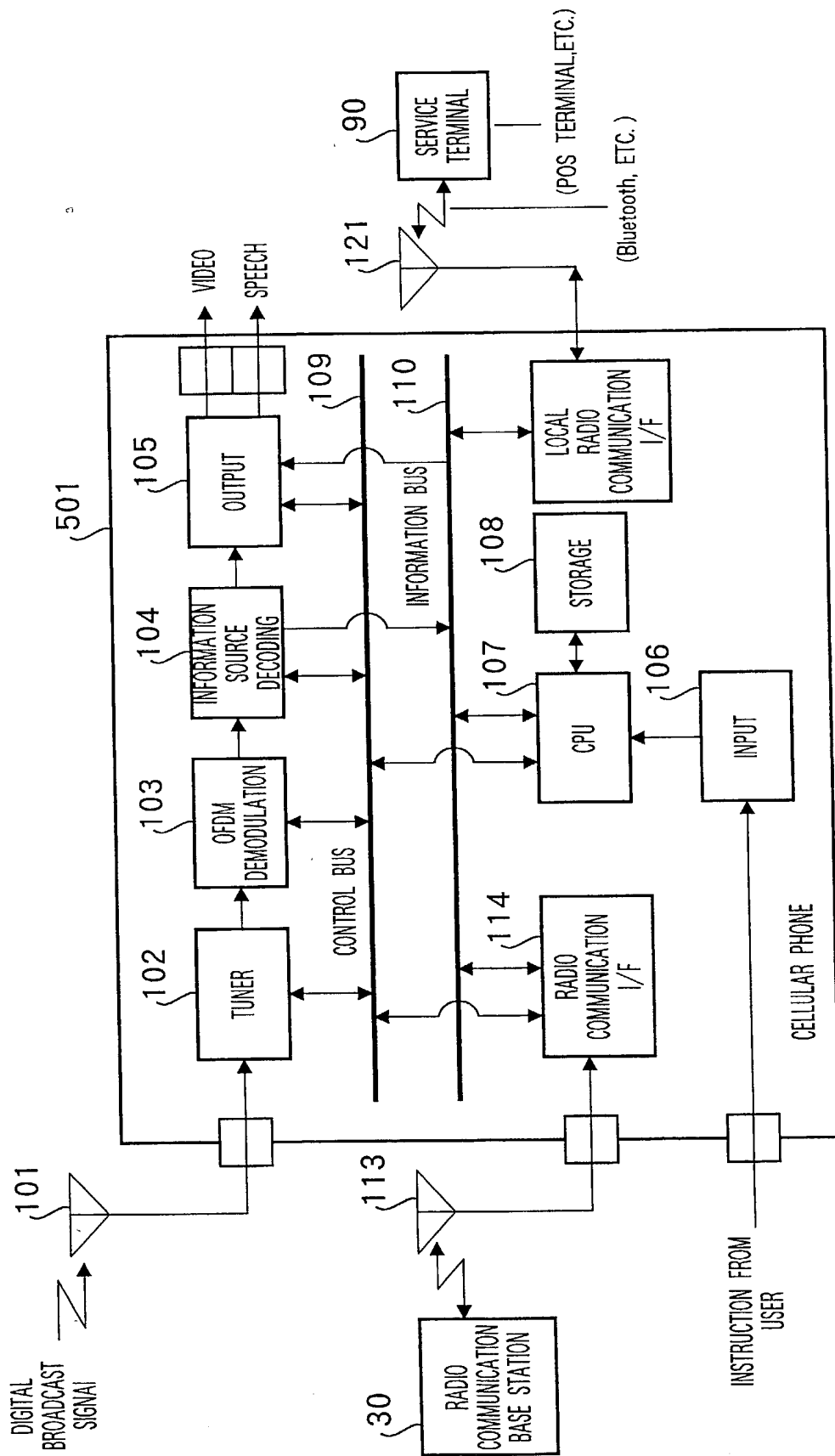
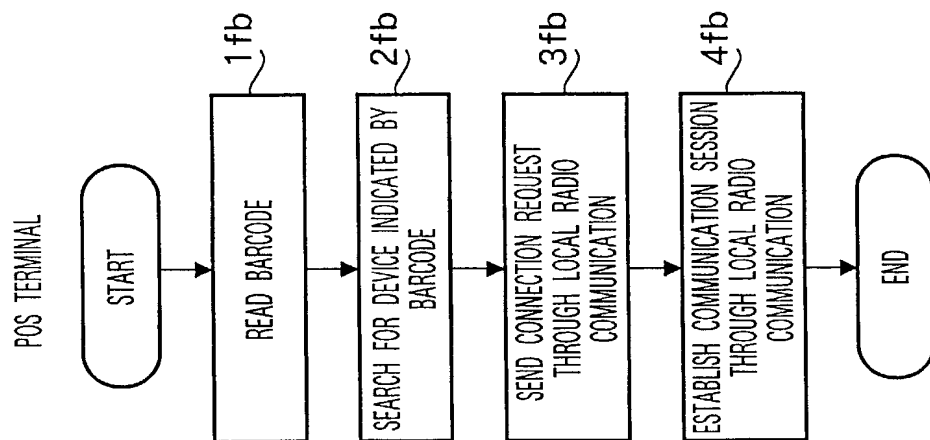
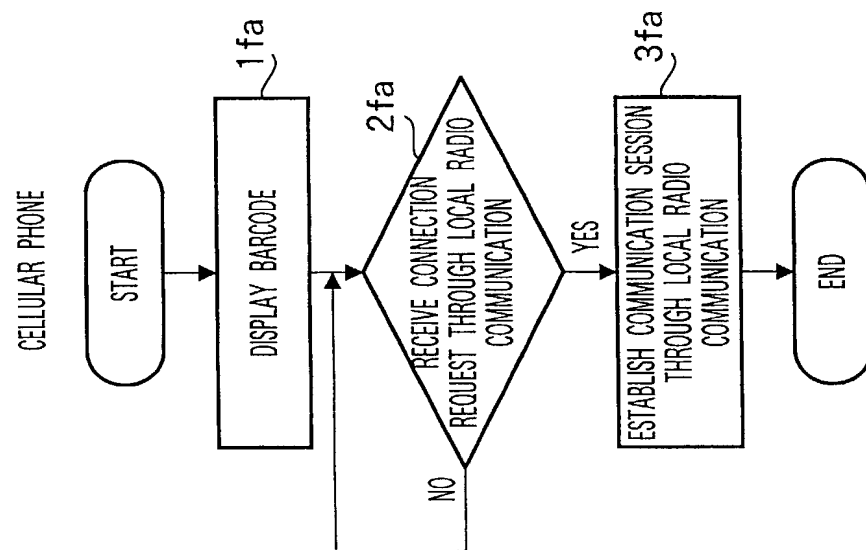


FIG. 47



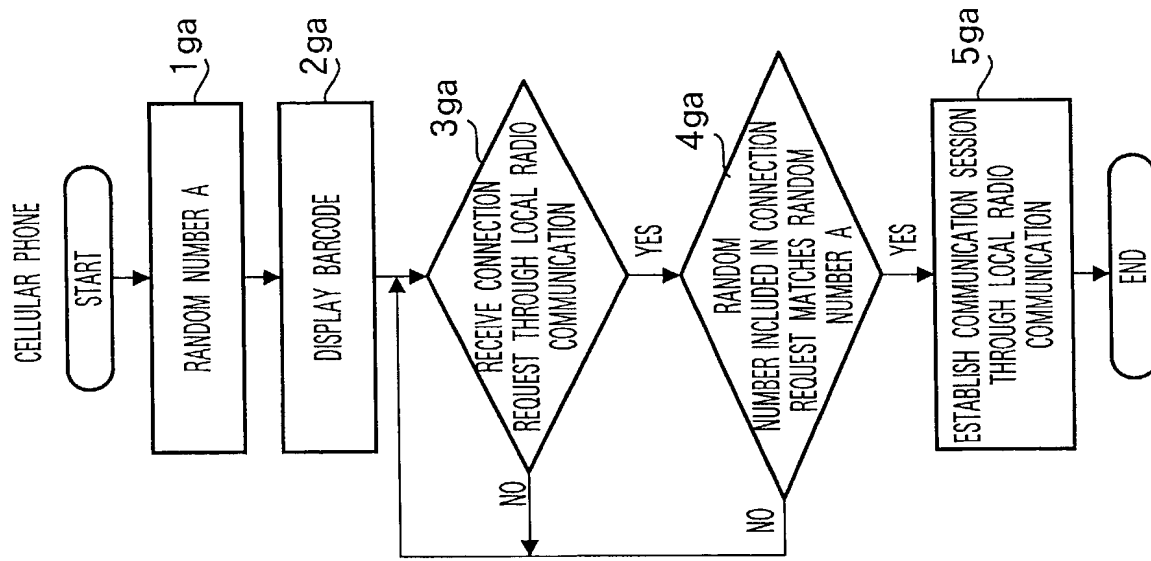


FIG. 49(a)

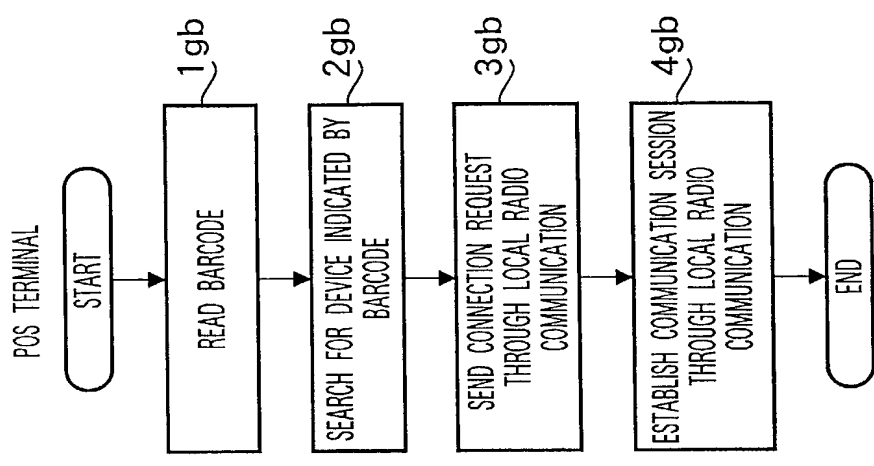


FIG. 49(b)

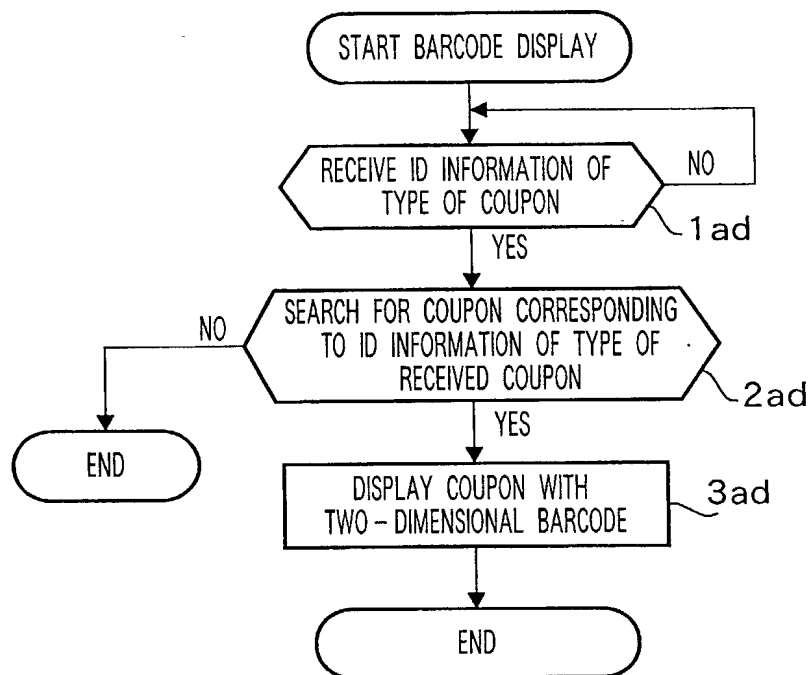


FIG. 50

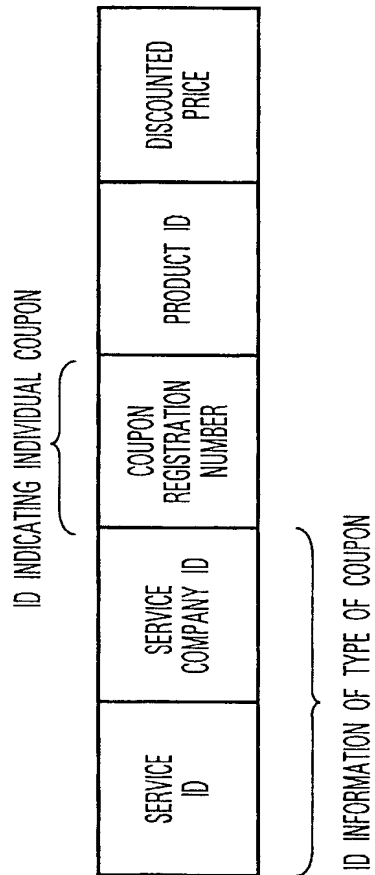


FIG. 51

110076523 10430093